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Surface Water Data

Ontario

Données sur les eaux de surface

1990

INLAND WATERS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1991

DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
OTTAWA , CANADA, 1991

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PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chiefs of the Water Resources Branch at Guelph, Ontario and Winnipeg, Manitoba.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision des Chefs régionaux de la Direction des ressources en eau, à Guelph (Ontario) et Winnipeg (Manitoba).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

CONTENTS

	PAGE
Preface	iii
Introduction	iv
Organization and History of Hydrometric Survey Operations	v
Co-operation and Acknowledgments	v
Equivalents of Measure	vii
Definition of Terms and Abbreviations	viii
Publication of Surface Water and Sediment Data	viii
Method of Tabulation of Surface Water Data	x
Revisions	xii
Accuracy of Hydrometric Data	xiii
Surface Water Data, Gauging Stations in Alphabetical Order	1
Alphabetical Index	289
Station Number Index	295

INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents for the 1990 calendar year, the results of the hydrometric survey investigations which were made in Ontario, by the Water Survey of Canada.

Details on individual stations and related records, as well as recent data which have not yet been published, may be obtained upon application to:

Water Resources Branch,
Department of the Environment,
Federal Building,
75 Farquhar Street,
Guelph, Ontario.
N1H 3N4
(519 821-0110)

Water Resources Branch,
Department of the Environment,
521 Federal Building,
269 Main Street,
Winnipeg, Manitoba.
R3C 1B2
(204 983-2435)

or to the Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0H3 (819 997-2098).

TABLE DES MATIÈRES

	PAGE
Préface	iii
Introduction	iv
Organisation et historique des relevés hydrométriques	v
Coopération et remerciements	v
Équivalences des unités de mesure	vii
Définitions des termes et abréviations	viii
Publication des données sur les eaux de surface et les sédiments	viii
Présentation sous forme de tableaux des données sur les eaux de surface	x
Révisions	xii
Exactitude des données hydrométriques	xiii
Données sur les eaux de surface – Stations de jaugeage énumérées dans l'ordre alphabétique	1
Index alphabétique	289
Index numérique des stations	295

INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente, pour l'année civile 1990, les résultats des relevés hydrométriques que la Division des relevés hydrologiques du Canada a effectués en Ontario.

En s'adressant aux endroits ci-après, on peut obtenir des renseignements supplémentaires sur certaines stations particulières et divers relevés, ainsi que des données récentes non encore publiées:

Direction des ressources en eau
Ministère de l'Environnement
Édifice fédéral
75, rue Farquhar
Guelph (Ontario)
N1H 3N4
(519 821-0110)

Direction des ressources en eau
Ministère de l'Environnement
521 Édifice fédéral
269, rue Main
Winnipeg (Manitoba)
R3C 1B2
(204 983-2435)

ou au Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0H3 (819 997-2098).

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

During 1990, the hydrometric surveys in Ontario were conducted by the Water Survey of Canada under agreement with the Province of Ontario. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

In Ontario, hydrometric survey operations during the years 1912 to 1919 were carried out by the Hydro-Electric Power Commission of Ontario and the results were published in the annual reports of the Commission. Commencing October 1, 1919, under the terms of a co-operative arrangement with the Commission, the Dominion Water and Power Bureau assumed the responsibility for the hydrometric and fundamental water resources investigations in the province. Although this arrangement was terminated on March 31, 1933 work was continued by the federal government under letter arrangement with the Province of Ontario and the Hydro-Electric Power Commission until 1975. A co-operative agreement, (with an implementation date of April 1, 1975), was signed with the Government of Ontario on June 12, 1975. The agreement provides that water quantity surveys will be continued by the federal government on a shared cost basis and in close co-operation with Ontario Hydro, Ontario Ministry of Natural Resources and the Ontario Ministry of the Environment.

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

En 1990, la Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques en Ontario en vertu de l'accord conclu avec les autorités provinciales, qui ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

En Ontario, la Commission d'énergie hydro-électrique de l'Ontario a effectué entre 1912 et 1919 des relevés hydrométriques, et on a publié dans les rapports annuels de cette Commission les résultats ainsi recueillis. En vertu d'une entente de coopération conclue avec cette dernière, le Bureau fédéral de l'eau et de l'énergie a assumé, à compter du 1er octobre 1919, la responsabilité de la conduite, en Ontario, de recherches hydrométriques et de recherches fondamentales sur les ressources en eau. L'entente a pris fin le 31 mars 1933, mais en vertu d'une lettre d'entente avec la province de l'Ontario et la Commission d'énergie hydro-électrique de l'Ontario, le gouvernement fédéral a continué d'exécuter les observations hydrométriques jusqu'en 1975. Le 12 juin 1975, le gouvernement de l'Ontario a signé un nouvel accord, qui est entré en vigueur le 1er avril 1975, renfermant des dispositions grâce auxquelles le gouvernement fédéral s'occupera du programme de relevés hydrométriques, en étroite collaboration avec l'Hydro-Ontario et les ministères des Ressources naturelles et de l'Environnement de l'Ontario, et partagera le coût des mesures avec la province.

CO–OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

This publication includes the annual water level data for the Tides and Water Level Network in Ontario on the Great Lakes and the St. Lawrence River. These data are collected and prepared under a Memorandum of Understanding between the Environmental Conservation Service and Ocean Science and Surveys. This memorandum recognizes the need for both parties to collect and publish water level data for their respective needs of management of the water resources and navigation. Under the memorandum the Water Resources Branch operates and maintains the water level gauges owned by the Canadian Hydrographic Service and the data are prepared by the Marine Environmental Data Services Branch of Ocean Science and Surveys. The data prior to 1981 were compiled and published by the Canadian Hydrographic Service in an annual

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La présente publication renferme les données sur les niveaux d'eau annuels enregistrés au réseau de mesure des marées et des niveaux d'eau sur les Grands lacs et le Saint-Laurent, en Ontario. Ces données sont recueillies et préparées en vertu d'un protocole d'entente conclu entre le Service de la conservation de l'environnement et les Sciences et levés océaniques. Ce protocole reconnaît que les deux parties sont tenues de recueillir et de publier des données sur les niveaux d'eau pour leurs propres besoins de gestion des eaux et de navigation. À cette fin, la Direction des ressources en eau exploite et entretient les jauges appartenant au Service hydrographique du Canada, tandis que la Direction des services des données sur le milieu marin des Sciences et levés océaniques s'occupe de la préparation des données. Avant 1981, le Service hydrographique du Canada a compilé et publié ces données dans

publication series entitled "Water levels, Daily Means" which will continue for the stations downstream of Lac St. Pierre on the St. Lawrence and on the marine coasts.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to the following organizations:

Federal – Department of Fisheries and Oceans;
International Lake Superior Board of Control;
International Lake of the Woods Control Board;
International Niagara Board of Control;
International Rainy Lake Board of Control;
International St. Lawrence River Board of Control;
Ministry of Transport (Canada).

Provincial – Ontario Hydro;
Ontario Ministry of Natural Resources;
Ontario Ministry of the Environment.

Private – Abitibi-Price Inc.;
Great Lakes Power Company Limited;
Algoma Steel Corporation Limited;
Eddy Forest Products Limited;
International Nickel Company of Canada Limited;
Great Lakes Forest Products Limited;
Spruce Falls Power and Paper Company;
Ontario Minnesota Pulp and Paper Company Ltd.

le cadre d'une série annuelle intitulée: «Niveaux d'eau: Moyennes journalières», série qui continuera de paraître pour les stations situées en aval du lac St-Pierre, sur le Saint-Laurent, et sur les côtes maritimes.

La Division des relevés hydrologiques du Canada est redevable aux organismes suivants de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques:

Niveau fédéral – Ministère des Pêches et Océans
Comité international de contrôle du lac Supérieur,
Comité international de contrôle du lac des Bois,
Comité international de contrôle de Niagara,
Comité international de contrôle du lac Rainy,
Comité international de contrôle du fleuve Saint-Laurent,
Ministère des Transports (Canada).

Niveau provincial – Hydro-Ontario,
Ministère des Ressources naturelles de l'Ontario,
Ministère de l'Environnement de l'Ontario.

Secteur privé – *Abitibi-Price Inc.,*
Great Lakes Power Company Limited,
Algoma Steel Corporation Limited,
Eddy Forest Products Limited,
International Nickel Company of Canada Limited,
Great Lakes Forest Products Limited,
Spruce Falls Power and Paper Company,
Ontario Minnesota Pulp and Paper Company Limited.

EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet
1 dam^3 (cubic decametre) equals 1000 m^3 (cubic metres)
1 dam^3 (cubic decametre) equals 1 mm (millimetre) over 1 km^2 (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit - 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré équivaut à 259.0 ha (hectare)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial équivaut à 1.2010 gallon américain
1 gallon américain équivaut à 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes
1 dam^3 (décamètre cube) vaut 1000 m^3 (mètres cubes)
1 dam^3 (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km^2 (kilomètre carré)

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètre par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit - 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

DEFINITION OF TERMS AND ABBREVIATIONS

"Control" is the condition downstream from a gauging station that determines the stage-discharge relationship. It may be a stretch of rapids, a weir or other artificial structure. In the absence of such features, the control may be a less obvious condition such as a convergence of the channel or even simply the resistance to flow through a downstream reach. A shifting control exists where the stage-discharge relationship tends to change because of impermanent bed or banks.

"Cubic metres per second" (m^3/s) is a unit expressing rate of discharge. One cubic metre per second is equal to one cubic metre of water flowing past a particular point in one second. This is the basic unit in general use, other units being computed from it by the use of factors as given in the previous paragraph under "Equivalents of Measure".

"Gauging station" is a location where systematic records of stage or stage and discharge are obtained.

"Miscellaneous (or related) data" is all data not published in the regular series of hydrometric and sediment data publications such as unpublished water levels and the various parameters that are measured in obtaining discharge measurements, e.g. water depth, velocity, width, air and water temperatures, ice thickness. This also includes discharge measurements and water level and sediment observations obtained at locations which are not regular gauging stations. Various types of "derived" data could also be considered "miscellaneous", such as water levels and discharges at selected time intervals (usually hourly).

"Stage-discharge relationship" is the relation between the water level and the discharge at a gauging station.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 300 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

DÉFINITIONS DES TERMES ET ABRÉVIATIONS

«Élément régulateur» – élément qui conditionne l'écoulement en aval d'une station de jaugeage et qui détermine la relation hauteur-débit au niveau de la station. Ce peut être une série de rapides, un déversoir ou toute autre structure artificielle. En l'absence de ces structures, l'élément régulateur peut provenir d'une condition moins apparente comme le rétrécissement d'un chenal ou simplement la résistance à l'écoulement d'un tronçon situé en aval. Il y a élément régulateur changeant quand la relation hauteur-débit tend à être modifiée par un lit ou des rives instables.

«Mètres cubes par seconde» (m^3/s) – unité du taux d'écoulement. Un mètre cube par seconde équivaut à un mètre cube d'eau s'écoulant en un point donné en une seconde. C'est l'unité de base généralement employée, les autres unités dérivées à partir de celle-ci sont données sous la rubrique «Équivalences des unités de mesure».

«Station de jaugeage» – lieu où l'on effectue des relevés systématiques de la hauteur ou de la hauteur et du débit de l'eau.

«Les données diverses (ou connexes)» – représentent toutes les données qui ne sont pas publiées dans les séries régulières des publications sur les données hydrométriques et les sédiments, par exemple celles des niveaux des eaux et des autres paramètres qui sont mesurés en même temps que le débit, soit la profondeur de l'eau, sa vitesse, son étendue, la température de l'eau et de l'air, l'épaisseur de la glace. Les mesures de débit ainsi que les observations sur les niveaux des eaux et les sédiments, obtenues à des emplacements autres que les stations régulières de jaugeage, sont aussi incluses. D'autres types de données «dérivées» pourraient aussi être classées dans cette catégorie de données «diverses», à savoir les niveaux des eaux et les débits observés à des intervalles de temps précis (en général, toutes les heures).

«Relation hauteur-débit» – relation qui existe entre la hauteur et le débit au niveau d'une station de jaugeage.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 300 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are presented in the International System of Units (SI) and future editions will be published biennially. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and the discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1982 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1983 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Water Resources Paper series containing sediment data incorporated a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue was a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* have been published annually. The sediment data since 1978 have been presented entirely in the International System of Units (SI).

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1982 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1983 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

De 1948 à 1960, on a recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenant des données sur les sédiments a paru dans la série intitulée *Water Resources Paper*; elle présentait un choix de ces données ainsi que des données recueillies en 1961 avant le 30 septembre à des stations établies pour la réalisation du programme permanent. La deuxième publication a porté sur les données recueillies dans le cadre du programme au cours des années hydrologiques 1962 et 1963. Par la suite, les données ont été publiées annuellement sous le titre *Données sur les sédiments - rivières canadiennes*. Depuis 1978, les données sont exprimées en unités du Système international (SI).

Commencing with 1984, the *Sediment Data* are presented and published in a new format wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island, which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province or territories covered and the year in which the data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations in Canada where sediment data were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations also listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published biennially. The latest edition supersedes all previous editions because it contains any corrections or additions since the last publication.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). This publication has been discontinued, as much of the information is now included in the new annual *Sediment Data* publication.

METHOD OF TABULATION OF SURFACE WATER DATA

For gauging stations where a systematic record of water level or discharge was obtained during the year under review, the following are given where available:

1. Table of daily water level or discharge;
2. Summary of monthly and annual data;
3. Descriptive information.

1. *The table of daily water level* or *discharge* gives the daily water level in metres or the daily discharge in cubic metres per second at the gauging station.

The following standard symbols are used opposite the daily stage or discharge to which they apply:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge. This symbol is used during open-water periods only.

B – Ice Conditions – indicates that for a gauging station where discharge data are obtained the presence of ice has affected the stage-discharge relationship.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

En 1984, la présentation des données a été modifiée. Le Canada a été divisé en huit régions, une région pour chaque province, sauf le Nouveau-Brunswick, Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui, ensemble, forment la région des provinces de l'Atlantique, et les Territoires du Yukon et du Nord-Ouest, qui forment une autre région. Les publications sont nommées selon la région couverte et l'année des données (année civile). Ces publications sont annuelles. Les stations y sont présentées par ordre alphabétique.

Un *Index de référence des données sur les sédiments* est publié. La première édition portait sur les données disponibles jusqu'en 1972. Les emplacements où des données sur les sédiments ont été recueillies au Canada par la Division des relevés hydrologiques y sont présentés sous forme de tableau. L'*Index* est subdivisé selon l'ordre alphabétique par province ou territoire, et les stations de mesure des sédiments sont classées par ordre alphabétique. À partir de 1978, les données sont exprimées en unités du Système international (SI). L'*Index* est publié tous les deux ans; l'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour effectuées depuis la dernière parution.

Une autre série de publications a porté le titre *Sommaire chronologique des données sur les sédiments de rivières canadiennes*. La première édition renfermait les données disponibles jusqu'en 1974. Cette série présentait un résumé donnant les moyennes mensuelles et annuelles historiques du débit des sédiments en suspension, les valeurs annuelles extrêmes de la concentration journalière et du débit journalier des sédiments en suspension et le débit annuel total des sédiments en suspension. À partir de 1978, les données ont été présentées en unités du Système international (SI). Cette série a été abandonnée, car une bonne partie de l'information est maintenant contenue dans la nouvelle publication annuelle intitulée *Données sur les sédiments*.

PRÉSENTATION SOUS FORME DE TABLEAUX DES DONNÉES SUR LES EAUX DE SURFACE

Pour les stations de jaugeage où on a effectué, au cours de l'année étudiée, un relevé systématique du débit ou du niveau, les données suivantes sont présentées, pour autant qu'elles soient disponibles:

1. un tableau du niveau ou du débit quotidien;
2. un extrait des données mensuelles et annuelles;
3. des renseignements descriptifs.

1. *Le tableau du niveau* ou *du débit quotidien* donne la hauteur des eaux, en mètres ou le débit, en mètres cubes par seconde, mesuré à la station de jaugeage.

Les symboles normalisés donnés ci-après sont inscrits à côté des valeurs auxquelles ils se rapportent:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne pour la journée en question. Le symbole n'est employé qu'au cours de périodes d'eau libre.

B – Glaces – indique, pour les données portant sur le débit, que la présence de glaces à la station de jaugeage a faussé la relation hauteur-débit.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

2. *A summary of monthly and annual data* is given below the table of daily data.

For stations where only water level data are obtained, both a monthly and annual summary are given.

The monthly summary gives:
(a) the mean water level in metres for complete months;
(b) the maximum and minimum daily water level in metres.

The summary for the year gives:
(a) the mean water level in metres for complete years;
(b) the maximum and minimum daily water levels and their dates of first occurrence where applicable;
(c) the maximum instantaneous water level and the time of occurrence where available.

For stations where discharge data are collected, both a monthly and annual summary are given.

The monthly summary gives:
(a) the total of the daily discharge values for complete months;
(b) the mean discharge in cubic metres per second;
(c) the total discharge in cubic decametres;
(d) the maximum and minimum daily discharges in cubic metres per second.

The summary for the year or period gives:
(a) the mean discharge in cubic metres per second;
(b) the total discharge in cubic decametres;
(c) the maximum and minimum daily discharges and their dates of first occurrence;
(d) the maximum instantaneous discharge and the time of occurrence, where available.

3. *The descriptive information* about the gauging station is also given below the table of daily data and will indicate the following where applicable:

International Gauging Stations – on waters adjacent to the international boundary, certain gauging stations have been designated as "International" and records are approved jointly. Differences between figures published herein and corresponding figures in United States Water Supply Papers are due to variations in automated data processing techniques.

Type of Gauge – refers to the installation or method used to obtain water level or discharge data:

(a) Manual – a non-recording type of gauge from which observations of stage normally are obtained once daily.
(b) Recording – a water-stage recorder from which continuous water levels are obtained on an analog chart. For most International Gauging Stations located in the United States, water level records are obtained utilizing a digital recorder.
(c) Power Plant Rating – this indicates that records were obtained using the latest available rating of the Power Plant.

2. *Un extrait des données mensuelles et annuelles* est donné au-dessous du tableau des données quotidiennes.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le niveau.

L'extrait mensuel donne:
(a) le niveau moyen en mètres pour le mois entier, et
(b) les niveaux quotidiens maximal et minimal en mètres.

L'extrait annuel donne:
(a) le niveau moyen en mètres pour l'année entière;
(b) les niveaux quotidiens maximal et minimal ainsi que les dates de leur première observation, s'il y a lieu, et
(c) le niveau maximal instantané et l'heure de l'observation, s'il y a lieu.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le débit.

L'extrait mensuel donne:
(a) le total des valeurs quotidiennes du débit, pour le mois entier;
(b) le débit moyen en mètres cubes par seconde;
(c) le débit total en décamètres cubes, et
(d) les débits quotidiens maximal et minimal en mètres cubes par seconde.

L'extrait annuel ou périodique donne:
(a) le débit moyen en mètres cubes par seconde;
(b) le débit total en décamètres cubes;
(c) les débits quotidiens maximal et minimal ainsi que les dates de première observation, s'il y a lieu, et
(d) le débit maximal instantané et l'heure de l'observation, s'il y a lieu.

3. *Les renseignements descriptifs* sur les stations de jaugeage sont également présentés sous le tableau des données quotidiennes et apportent les précisions qui suivent, s'il y a lieu:

Stations internationales de jaugeage (International Gauging Stations) – Dans les eaux contiguës aux frontières, on a désigné certaines stations comme «internationales», et les données prélevées sont approuvées par les pays concernés. Les différences entre les chiffres publiés dans la présente publication et les *United States Water Supply Papers* proviennent de variantes dans les techniques de traitement automatique des données.

Type de jauge (Type of Gauge) – Il s'agit des jauges ou des méthodes de jaugeage utilisées pour obtenir les données sur le niveau et le débit d'un cours d'eau:

(a) Manuelle (Manual) – indique qu'un appareil non enregistreur sert à obtenir une fois par jour les données sur le niveau et le débit d'un cours d'eau.
(b) Enregistreuse (Recording) – indique qu'un limnigraphe permet de mesurer de façon continue le niveau des eaux tracé sur une carte analogique. La plupart des stations internationales de jaugeage des États-Unis obtiennent les données sur le niveau des eaux à l'aide d'un enregistreur numérique.
(c) Régime des stations hydrauliques (Power Plant Rating) – indique qu'on a obtenu les données grâce aux valeurs les plus récentes des régimes mesurés dans les stations hydrauliques.

Location – the latitude and longitude co-ordinates of the location of the gauge are given. For stations where the gauge is located an appreciable distance from the discharge measurement section, these co-ordinates give the location of the discharge measurement section.

Drainage Area – this is the latest available drainage area and refers to that area enclosed by a topographic divide such that direct surface runoff from precipitation would drain by gravity into the stream upstream from the location of the station. For a gauging station on a lake, this refers to the total drainage area at the outlet of the lake.

Contributed Data – if data were supplied in their entirety by an outside agency, the name of the co-operating agency is given.

Natural Flow or *Regulated* – where the flow is known to be natural, this is indicated. The flow of water in many river systems is affected by upstream regulation. In some cases, the extent of this regulation is not known and therefore is not indicated. However, where the regulation is known to be "appreciable", this is indicated as well as the year that the regulation began, if known.

Gauge Datum – for stations where only water level data are available, the name of the datum, to which water levels are referred, is given as well as an equation to convert to another datum if applicable. Detailed information on the description of the bench marks to which water levels are referred is available from the appropriate Regional Chief.

Remarks – unusual conditions which occur at a station are explained.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. The Historical Water Levels Summary publications contain revisions to monthly and annual mean water levels, and annual extremes of water level. Recent revisions, corrections or additions made to the historical discharges and water levels are indicated by an "R" symbol in the summary publications. This "R" symbol is deleted from the data bank after publication of the summaries. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

Emplacement (Location) – La latitude et la longitude de la station de jaugeage sont indiquées. Dans les cas où l'équipement de mesure est situé à un endroit éloigné de la section où le jaugeage est effectué, on indique les coordonnées de cette section.

Superficie du bassin versant (Drainage Area) – Il s'agit de la superficie du bassin versant déterminée d'après les cartes les plus récentes et désigne la zone délimitée par une ligne de partage des eaux de sorte que l'écoulement d'averse est entraîné par gravité vers le cours d'eau en amont de la station. S'il s'agit d'une station située sur un lac, elle représente la superficie totale jusqu'à l'émissaire du lac.

Données fournies (Contributed Data) – Nom de l'organisme extérieur qui a fourni les données.

Débit naturel ou *régularisé* (Natural Flow or Regulated) – Un débit reconnu comme naturel est indiqué comme tel. Le débit de plusieurs réseaux hydrographiques est modifié par une régularisation qui est effectuée en amont. Il arrive parfois que l'importance de cette régularisation ne soit pas connue, et elle n'est donc pas indiquée. Cependent, quand on sait que la régularisation est d'une certaine importance, on l'indique ainsi que l'année où elle a débuté (si elle est connue).

Plan de référence des jauges (Gauge Datum) – Pour les stations dans lesquelles on ne mesure que le niveau de l'eau, on indique le plan de référence de la jauge en question et l'équation permettant, au besoin, de convertir ce plan en un autre plan. En s'adressant au chef régional concerné, on peut obtenir des renseignements plus précis au sujet des niveaux de référence auxquels correspondent les niveaux mesurés.

Remarques (Remarks) – Les conditions inhabituelles qui prévalent à une station sont expliquées.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. Les publications intitulées *Sommaire chronologique des niveaux d'eau* renferment les révisions apportées aux niveaux moyens mensuels et annuels ainsi que les extrêmes annuels. Les révisions et corrections apportées récemment aux débits chronologiques et aux niveaux d'eau sont accompagnées du symbole «R» dans les publications sommaires. Ce symbole «R» est omis de la banque de données après la publication des sommaires. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data referred to herein, depends upon

(1) The type of gauge, stability of gauge, accuracy of observation of stage and measurement of reference datum,

(2) The stability of the stage-discharge relationship; or if the control is unstable, the frequency and accuracy of discharge measurements, and

(3) The computation procedures and interpretation of records.

Because of all these variable factors, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data. The Water Resources Branch standard for storing water level data is to three decimal points (0.001 m), although some contributing agencies provide data to two decimal points (0.01 m).

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A, E and B (for discharge data).

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques dont on parle ici sont basés sur

(1) Le type de jauge, la stabilité de la gauge, la précision des observations sur les niveaux et de la mesure de la donnée de référence,

(2) La stabilité de la relation hauteur-débit ou, si l'élément régulateur est changeant, sur la fréquence et la précision des mesures de débits, et

(3) L'évaluation des procédés et l'interprétation des chiffres.

À cause de toutes les variables déjà mentionnées, on a normalisé pour des fins d'uniformité de présentation le nombre de chiffres significatifs, mais ceci ne réflète pas le degré d'exactitude des données. Dans la Direction des ressources en eau, les normes de cueillette des données sur le niveau des eaux sont de l'ordre de trois décimales (0.001 m), alors que certains organismes dans ce domaine n'exigent que deux décimales (0.01 m).

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A, E et B (pour les données de débits).

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

ABITIBI RIVER AT ABITIBI CANYON - STATION NO. 04ME002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	142	227	176	326	1 490	233	653	348	176	276	591	339	1
2	190	200	190	325	1 240	241	564	343	163	276	419	302	2
3	178	226	174	294	966	237	524	306	122	278	454	308	3
4	208	201	185	288	671	241	507	329	171	269	508	250	4
5	236	198	210	332	507	218	548	325	190	256	512	248	5
6	191	193	203	325	448	288	716	229	185	278	424	251	6
7	173	202	203	332	420	339	588	161	187	229	411	285	7
8	200	178	172	340	336	356	634	191	187	230	411	329	8
9	198	201	181	325	330	341	737	239	135	272	399	269	9
10	212	203	154	252	330	273	830	258	166	204	392	322	10
11	211	189	154	277	379	268	691	290	164	218	326	293	11
12	231	212	209	261	682	278	778	261	197	282	303	230	12
13	223	228	212	297	673	306	692	338	237	288	312	284	13
14	246	148	212	193	710	295	672	261	235	340	307	246	14
15	242	193	244	169	605	283	547	291	157	335	329	274	15
16	192	233	281	234	553	279	383	287	256	328	303	299	16
17	209	190	291	243	499	227	389	250	279	338	316	322	17
18	209	183	307	242	709	210	377	288	279	498	311	298	18
19	200	186	357	227	1 090	282	301	211	277	1 240	308	334	19
20	223	202	394	327	981	309	336	249	237	1 150	273	269	20
21	199	191	402	384	917	356	289	263	242	940	269	227	21
22	201	192	395	435	963	372	297	208	287	1 060	281	239	22
23	206	217	347	571	932	242	220	236	285	1 070	308	254	23
24	218	233	354	606	848	229	214	193	283	1 080	400	291	24
25	203	232	352	1 150	817	266	235	178	278	853	305	243	25
26	213	171	391	1 450	775	335	241	161	328	684	307	247	26
27	200	182	398	1 860	640	366	278	198	330	643	301	251	27
28	204	156	333	1 800	568	445	249	187	299	640	305	251	28
29	208		325	1 590	487	571	176	234	276	674	304	239	29
30	194		336	1 610	340	628	250	225	269	682	317	239	30
31	215		346		282		220	240		691		253	31
TOTAL	6 375	5 567	8 488	17 025	21 208	9 344	14 126	7 768	6 867	16 602	10 708	8 476	TOTAL
MEAN	206	199	274	568	684	311	456	251	229	536	357	273	MEAN
MAX	246	233	402	1 860	1 490	628	830	348	330	1 240	591	339	MAX
MIN	142	148	154	169	282	210	176	161	122	204	269	227	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 363
MAXIMUM DAILY, 1 860 ON APR 27
MINIMUM DAILY, 122 ON SEP 03

DATA CONTRIBUTED BY -
ONTARIO HYDRO

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 49 52 55 N
LONG 081 34 00 W
DRAINAGE AREA, 22 900 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	551 000	JUL	1 220 000
FEB	481 000	AUG	671 000
MAR	733 000	SEP	593 000
APR	1 470 000	OCT	1 430 000
MAY	1 830 000	NOV	925 000
JUN	807 000	DEC	732 000

TOTAL DISCHARGE, 11 400 000 dam³

ABITIBI RIVER AT IROQUOIS FALLS - STATION NO. 04MC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	124	172	156	179	248	169	418	188	177	143	222	235	1
2	169	168	172	195	249	136	423	189	164	141	218	218	2
3	168	127	126	193	177	134	382	188	156	142	218	210	3
4	167	128	127	190	152	151	319	188	174	149	218	206	4
5	167	165	161	197	129	143	365	188	183	153	213	218	5
6	138	165	152	194	126	125	412	189	190	142	219	217	6
7	135	148	137	193	141	132	439	189	182	135	218	218	7
8	158	170	172	184	134	142	461	189	152	138	215	234	8
9	164	168	170	199	112	119	550	189	155	165	207	226	9
10	151	120	122	182	167	121	549	188	152	190	215	233	10
11	133	143	135	199	234	135	512	188	152	190	203	223	11
12	164	164	173	196	245	149	499	188	161	189	217	221	12
13	140	159	160	187	240	141	499	188	198	189	198	218	13
14	137	172	161	203	211	125	444	189	176	190	201	220	14
15	166	152	153	189	168	134	216	188	181	186	206	216	15
16	172	180	177	161	206	119	216	188	160	188	205	220	16
17	154	126	203	201	241	119	218	197	163	185	211	214	17
18	159	129	200	202	298	144	211	188	143	362	219	214	18
19	164	159	178	201	299	146	204	189	151	360	204	217	19
20	130	158	170	235	295	149	188	188	159	234	197	216	20
21	131	134	167	236	497	129	189	188	160	236	190	223	21
22	142	153	181	273	525	151	188	188	156	233	213	222	22
23	162	164	187	320	501	128	188	188	153	256	221	214	23
24	158	129	204	365	469	149	188	189	154	220	200	210	24
25	161	139	204	424	414	259	188	189	148	212	189	138	25
26	180	173	204	419	407	255	188	189	142	210	189	192	26
27	133	169	204	434	394	335	188	188	144	213	207	210	27
28	133	170	204	396	258	440	188	188	143	259	227	212	28
29	183		194	343	173	497	188	188	136	270	251	209	29
30	175		193	280	182	484	188	188	177	234	234	210	30
31	179		179		182		188	188		231		176	31
TOTAL	4 797	4 304	5 326	7 370	8 074	5 560	9 594	5 847	4 839	6 345	6 345	6 608	TOTAL
MEAN	155	154	172	246	260	185	309	189	161	205	212	213	MEAN
MAX	183	180	204	434	525	497	550	197	198	362	227	235	MAX
MIN	124	120	122	161	112	119	188	188	136	135	189	138	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 206
MAXIMUM DAILY, 550 ON JUL 09
MINIMUM DAILY, 112 ON MAY 09

DATA CONTRIBUTED BY -
ABITIBI - PRICE INC.

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 48 45 44 N
LONG 080 40 07 W
DRAINAGE AREA, 13 300 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	414 000	JUL	829 000
FEB	372 000	AUG	505 000
MAR	460 000	SEP	418 000
APR	637 000	OCT	548 000
MAY	698 000	NOV	548 000
JUN	480 000	DEC	571 000

TOTAL DISCHARGE, 6 480 000 dam³

ABITIBI RIVER AT ONAKAWANA - STATION NO. 04ME003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	165B	285B	202B	470B	2 290	311	746	410	255	409	871	360B	1
2	124B	292B	193B	450B	1 960	412	734	478	192	351	739	380B	2
3	180B	295B	255B	435B	1 510	357	644	466	179	367	595	390B	3
4	275B	352B	213B	430B	1 260	570	627	457	133	379	675	400B	4
5	285B	216B	325B	380B	1 010	512	630	394	235	309	745	395B	5
6	310B	230B	241B	480B	865	480	752	367	277	311	756	340B	6
7	250B	275B	233B	445B	831	517	685	272	331	346	639	330B	7
8	248B	257B	277B	435B	751	581	710	252	161	340	566	365B	8
9	290B	250B	270B	510B	652	574	909	328	83.5	359	576	385B	9
10	324B	282B	235B	430B	648	502	1 030	355	191	203	546	400B	10
11	285B	223B	180B	355B	636	443	1 020	425	205	357	462	450B	11
12	280B	270B	175B	330B	814	401	992	390	285	380	407	335B	12
13	322B	285B	295B	410B	991	497	893	430	243	327	547	400B	13
14	275B	300B	288B	360B	975	368	838	391	422	352	378	360B	14
15	230B	288B	275B	315B	1 090	412	759	379	173	452	433	335B	15
16	290B	265B	345B	270B	956	376	528	382	483	448	446	330B	16
17	305B	330B	350B	320B	899	349	489	423	339	430	363	390B	17
18	220B	290B	360B	322B	994	313	431	354	441	500	389	330B	18
19	320B	222B	355B	348B	1 430	414	450	363	377	935	368	340B	19
20	280B	314B	570B	285B	1 460	441	433	281	312	1 260	427	410B	20
21	240B	260B	520B	420B	1 300	505	325	352	407	1 060	412	340B	21
22	320B	282B	550B	540B	1 270	514	333	307	403	1 110	375	290B	22
23	300B	190B	540B	700B	1 270	460	344	275	408	1 170	395	295B	23
24	312B	230B	465B	900B	1 200	385	228	259	502	1 240	414	300B	24
25	242B	275B	490B	1 150B	1 090	390	231	203	462	1 090	438	375B	25
26	207B	280B	440B	1 600B	1 040	361	269	201	498	927	571	290B	26
27	285B	295B	500B	1 400B	910	449	265	255	505	810	385	245B	27
28	280B	270B	490B	1 400B	817	526	306	291	481	837	380B	340B	28
29	265B		390B	1 060	791	618	270	340	422	839	378B	317B	29
30	380B		400B	2 260	591	715	279	230	395	867	395B	232B	30
31	170B		475B		592		284	270		884		288B	31
TOTAL	8 259	7 603	10 897	22 210	32 893	13 753	17 434	10 582	9 800.5	19 649	15 072	10 757	TOTAL
MEAN	266	272	352	740	1 060	458	562	341	327	634	502	347	MEAN
MAX	380	352	570	2 400	2 290	715	1 030	478	505	1 260	871	450	MAX
MIN	124	190	175	270	591	311	228	201	83.5	203	363	232	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 490
MAXIMUM DAILY, 2 400B ON APR 27
MINIMUM DAILY, 83.5 ON SEP 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 36 00 N
LONG 081 25 00 W
DRAINAGE AREA, 27 500 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	714 000	JUL	1 510 000
FEB	657 000	AUG	914 000
MAR	942 000	SEP	847 000
APR	1 920 000	OCT	1 700 000
MAY	2 840 000	NOV	1 300 000
JUN	1 190 000	DEC	929 000

TOTAL DISCHARGE, 15 500 000 dam³

ABITIBI RIVER AT OTTER RAPIDS - STATION NO. 04ME004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	92.0	218	145	335	1 720	401	650	382	153	337	745	320	1
2	157	222	191	324	1 500	314	657	423	170	310	609	334	2
3	207	268	156	321	1 160	362	596	425	111	311	517	334	3
4	213	159	249	284	938	353	587	406	210	306	529	334	4
5	233	171	178	362	753	315	587	347	216	250	651	279	5
6	184	209	172	334	694	345	758	289	349	326	655	278	6
7	186	201	208	330	663	382	583	210	186	254	547	303	7
8	206	188	207	299	573	475	698	265	91.7	274	467	323	8
9	245	215	181	303	510	462	774	256	159	272	492	333	9
10	211	164	145	265	515	393	960	307	213	250	455	381	10
11	206	203	131	253	534	322	978	357	178	327	327	280	11
12	238	209	223	309	774	331	928	300	269	316	413	340	12
13	209	225	220	259	841	401	850	386	217	289	366	301	13
14	165	213	207	222	876	328	771	311	201	313	384	283	14
15	207	189	261	194	913	343	628	314	216	375	380	279	15
16	224	244	257	236	786	328	446	390	322	372	374	328	16
17	164	191	276	237	743	280	434	370	363	363	331	280	17
18	241	159	255	251	927	259	423	324	327	528	343	287	18
19	205	233	436	204	1 350	368	406	172	254	1 050	323	349	19
20	173	191	388	302	1 220	347	390	386	289	1 170	356	282	20
21	232	209	406	379	1 130	450	313	321	343	936	327	247	21
22	212	137	408	436	1 140	434	305	210	309	1 090	340	249	22
23	231	161	348	517	1 140	399	267	257	329	1 080	384	251	23
24	179	206	362	661	1 070	321	233	202	340	1 160	313	322	24
25	147	205	325	1 100	932	289	219	197	322	918	421	266	25
26	218	218	373	1 410	903	375	281	192	382	789	349	203	26
27	210	219	372	1 850	784	405	287	479	382	740	318	283	27
28	197	161	349	1 830	727	487	326	414	359	762	317	283	28
29	293		278	1 680	655	582	255	280	324	768	337	196	29
30	127		361	1 730	500	660	235	208	303	789	301	226	30
31	216		358		343		285	300		810		301	31
TOTAL	6 228.0	5 588	8 426	17 297	27 314	11 511	16 110	9 280	7 887.7	17 835	12 661	9 055	TOTAL
MEAN	201	200	272	577	881	384	520	299	263	575	422	292	MEAN
MAX	293	268	436	1 850	1 720	660	978	479	382	1 170	745	381	MAX
MIN	92.0	137	131	194	343	259	219	172	91.7	250	301	196	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 409
MAXIMUM DAILY, 1 850 ON APR 27
MINIMUM DAILY, 91.7 ON SEP 08

DATA CONTRIBUTED BY -
ONTARIO HYDRO

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 50 10 55 N
LONG 081 38 12 W
DRAINAGE AREA, 23 400 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	538 000	JUL	1 390 000
FEB	483 000	AUG	802 000
MAR	728 000	SEP	681 000
APR	1 490 000	OCT	1 540 000
MAY	2 360 000	NOV	1 090 000
JUN	995 000	DEC	782 000

TOTAL DISCHARGE, 12 900 000 dam³

ABITIBI RIVER AT TWIN FALLS - STATION NO. 04MC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	87.5	147	131	124	6.96	120	360	145	154	84.1	120	153	1
2	135	132	131	132	6.56	78.2	385	145	149	86.1	119	155	2
3	154	102	104	137	58.4	107	321	145	164	90.0	124	144	3
4	137	100	85.4	115	58.4	110	187	166	154	82.9	133	155	4
5	137	129	121	137	13.4	102	248	169	182	73.5	124	155	5
6	106	128	124	137	13.4	78.7	345	169	182	76.7	136	161	6
7	90.8	122	95.7	137	40.2	101	393	166	167	75.4	138	188	7
8	128	130	128	137	39.1	101	429	154	133	83.4	148	188	8
9	136	132	131	137	35.8	80.3	461	140	115	130	159	188	9
10	117	102	110	137	48.8	80.2	404	156	107	159	150	188	10
11	112	88.1	90.5	137	29.0	97.0	403	167	113	140	155	188	11
12	127	127	132	137	27.7	112	402	155	135	118	155	188	12
13	109	134	128	137	59.3	109	401	181	143	138	155	188	13
14	108	139	130	131	84.2	90.6	351	171	129	130	141	187	14
15	133	136	109	47.2	54.1	98.8	179	158	73.6	144	155	181	15
16	135	144	66.1	80.4	96.7	77.0	170	166	82.3	116	155	187	16
17	143	103	57.6	124	151	88.5	170	176	89.2	112	155	187	17
18	133	85.9	65.6	120	56.9	115	163	173	122	164	155	187	18
19	136	98.1	72.6	122	129	93.4	153	165	103	145	155	187	19
20	110	109	72.9	84.1	198	120	167	147	123	59.2	155	187	20
21	101	120	56.2	38.5	365	83.7	145	166	92.3	87.0	155	187	21
22	126	115	84.2	28.8	410	105	145	172	77.6	112	143	187	22
23	120	131	114	8.61	406	81.6	162	178	70.1	128	141	187	23
24	133	89.4	126	13.0	382	36.9	151	177	75.0	116	113	137	24
25	132	107	137	11.6	339	125	165	177	65.0	99.6	116	119	25
26	157	129	137	24.8	340	144	165	162	70.4	118	134	130	26
27	118	129	145	38.1	339	199	164	171	77.8	111	142	176	27
28	98.6	133	161	13.2	206	348	157	175	79.7	115	136	187	28
29	142		148	26.6	117	402	165	174	86.2	135	142	187	29
30	156		130	32.8	117	423	146	172	154	130	136	187	30
31	149		133		117		126	164		109		142	31
TOTAL	3 906.9	3 341.5	3 456.8	2 685.71	4 394.92	3 907.9	7 783	5 110	3 468.2	3 465.9	4 245	5 368	TOTAL
MEAN	126	119	112	89.5	142	130	251	165	116	112	142	173	MEAN
MAX	157	147	161	137	410	423	461	181	182	164	159	188	MAX
MIN	87.5	85.9	56.2	8.61	6.56	36.9	126	145	65.0	59.2	113	119	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 140
MAXIMUM DAILY, 461 ON JUL 09
MINIMUM DAILY, 6.56 ON MAY 02

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 48 45 00 N
LONG 080 35 00 W
DRAINAGE AREA, 9 950 km²

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	338 000	JUL	672 000
FEB	289 000	AUG	442 000
MAR	299 000	SEP	300 000
APR	232 000	OCT	299 000
MAY	380 000	NOV	367 000
JUN	338 000	DEC	464 000

TOTAL DISCHARGE, 4 420 000 dam³

DATA CONTRIBUTED BY -
ABITIBI - PRICE INC.

REGULATED

ALBANY RIVER ABOVE NOTTIK ISLAND - STATION NO. 04GD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	50.2B	35.7B	28.4B	39.5B	96.0B	352	463	257E	119 E	96.9	142	112 B	1
2	49.7B	35.3B	28.2B	38.5B	114 B	349	457	250E	117 E	98.3	141	109 B	2
3	49.2B	35.0B	28.0B	37.8B	137 B	403	447	242E	115 E	101	142	107 B	3
4	48.5B	34.7B	27.9B	36.8B	160 B	451	438	234E	113 E	106	145	103 B	4
5	48.0B	34.2B	27.8B	36.4B	185 E	478	430	227E	111 E	112	145	100 B	5
6	47.5B	33.9B	27.8B	36.2B	215 E	509	422	222E	109 E	117	141	98.0B	6
7	46.8B	33.6B	27.8B	36.0B	235 E	534	410	216E	107 E	116	139	96.0B	7
8	46.2B	33.3B	27.8B	36.0B	265 E	546	407	210E	105 E	115	139	94.0B	8
9	45.8B	33.1B	27.8B	36.0B	295 E	554	407	203E	104 E	114	141	92.0B	9
10	45.2B	32.9B	28.0B	35.8B	315 E	563	403	197E	102 E	114	141	90.5B	10
11	44.8B	32.7B	28.2B	36.0B	335 E	569	400	192E	101 E	113	135B	89.0B	11
12	44.1B	32.4B	28.5B	36.2B	352 E	574	392	187E	100 E	115	132B	88.0B	12
13	43.6B	32.1B	29.6B	36.3B	365 E	576	388	182E	99.0E	117	130B	87.0B	13
14	43.0B	31.9B	30.7B	36.4B	376 E	578	381	177E	97.5E	118	129B	85.5B	14
15	42.5B	31.7B	32.4B	36.5B	381 E	579	371	173E	96.5E	120	126B	84.0B	15
16	42.0B	31.4B	34.0B	37.0B	386 E	581	360	168E	95.0E	125	124B	82.5B	16
17	41.5B	31.2B	36.0B	37.5B	388 E	577	351	165E	94.0E	127	122B	81.0B	17
18	41.0B	30.9B	37.7B	38.0B	390 E	580	342	162E	93.0E	128	121B	79.5B	18
19	40.6B	30.6B	39.7B	38.5B	391 E	583	338	158E	92.0E	127	120B	78.0B	19
20	40.2B	30.4B	41.5B	39.0B	393 A	577	329	154E	91.0E	129	120B	77.0B	20
21	39.9B	30.2B	42.5B	40.5B	395	572	322	150E	90.5E	135	122B	76.5B	21
22	39.5B	30.0B	43.0B	41.0B	396	564	317	147E	94.0E	139	127B	75.5B	22
23	39.0B	29.8B	43.4B	43.6B	397	546	314	144E	94.0E	141	131B	75.0B	23
24	38.7B	29.6B	43.6B	46.5B	396	532	309E	139E	94.0E	141	132B	74.5B	24
25	38.3B	29.4B	43.6B	50.2B	394	519	302E	136E	94.0E	142	131B	73.5B	25
26	37.9B	29.2B	43.5B	54.5B	391	502	298E	133E	93.9A	142	130B	73.0B	26
27	37.5B	29.0B	43.0B	59.0B	385	491	291E	131E	95.6	145	125B	72.0B	27
28	37.1B	28.8B	42.3B	66.0B	380	477	283E	128E	96.9	146	121B	71.5B	28
29	36.7B		41.8B	74.0B	372	468	276E	126E	98.5	146	118B	71.0B	29
30	36.4B		41.0B	83.0B	367	464	269E	124E	97.9	146	115B	70.5B	30
31	36.1B		40.3B		358		264E	122E		144		70.0B	31
TOTAL	1 317.5	893.0	1 085.8	1 299.7	10 005.0	15 648	11 181	5 456	3 010.3	3 876.2	3 926	2 636.0	TOTAL
MEAN	42.5	31.9	35.0	43.3	323	522	361	176	100	125	131	85.0	MEAN
MAX	50.2	35.7	43.6	83.0	397	583	463	257	119	146	145	112	MAX
MIN	36.1	28.8	27.8	35.8	96.0	349	264	122	90.5	96.9	115	70.0	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 165
MAXIMUM DAILY, 583 ON JUN 19
MINIMUM DAILY, 27.8B ON MAR 05
MAXIMUM INSTANTANEOUS,
585 AT 18:43 EST ON JUN 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 38 30 N
LONG 086 23 50 W
DRAINAGE AREA, 32 400 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	114 000	JUL	966 000
FEB	77 200	AUG	471 000
MAR	93 800	SEP	260 000
APR	112 000	OCT	335 000
MAY	864 000	NOV	339 000
JUN	1 350 000	DEC	228 000

TOTAL DISCHARGE, 5 210 000 dam³

ALBANY RIVER NEAR HAT ISLAND - STATION NO. 04HA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	163B	121B	103B	147B	4 260	1 820	1 990	571	290	686	835	338B	1
2	161B	120B	103B	148B	4 450B	1 680	1 960	556	283	646	817	328B	2
3	159B	119B	102B	150B	4 270B	1 640	1 880	542	278	607	804	319B	3
4	157B	118B	102B	156B	4 310	1 810	1 810	531	271	590	794	310B	4
5	156B	117B	102B	162B	4 100	2 160	1 840	511	263	562	810	302B	5
6	154B	116B	101B	170B	3 950	2 390	1 910	503	252	547	821	296B	6
7	152B	116B	101B	172B	3 820	2 460	1 860	499	245	536	816	291B	7
8	150B	115B	101B	171B	3 680	2 490	1 770	495	239	533	793	286B	8
9	149B	115B	101B	170B	3 480	2 500	1 710	480	237	517	733	281B	9
10	147B	114B	101B	168B	3 230	2 500	1 710	467	233	503	690B	276B	10
11	146B	113B	101B	165B	3 020	2 500	1 770	459	224	490	610B	271B	11
12	145B	113B	102B	161B	2 870	2 470	1 770	463	225	483	480B	267B	12
13	143B	112B	103B	158B	2 810	2 400	1 690	479	219	479	365B	262B	13
14	142B	111B	106B	155B	2 840	2 260	1 570	484	229	480	330B	259B	14
15	140B	110B	117B	152B	2 930	2 170	1 450	463	229	497	320B	255B	15
16	138B	110B	110B	151B	3 000	2 090	1 340	441	237	517	360B	252B	16
17	137B	109B	145B	150B	3 100	2 020	1 240	425	253	534	510B	250B	17
18	136B	108B	157B	149B	3 170	2 050	1 150	404	269	553	545B	247B	18
19	135B	108B	170B	150B	3 270	2 480	1 070	384	279	566	535B	244B	19
20	134B	107B	177B	155B	3 390	3 030	1 010	368	275	571	500B	241B	20
21	133B	107B	180B	164B	3 390	3 070	963	352	272	576	465B	238B	21
22	132B	106B	181B	183B	3 270	2 970	909	338	298	586	460B	234B	22
23	131B	106B	179B	215B	3 110	2 950	865	324	323	638	465B	231B	23
24	130B	105B	177B	240B	2 940	2 950	827	308	412	719	470B	229B	24
25	129B	105B	173B	320B	2 800	2 820	787	300	623	792	460B	226B	25
26	128B	104B	169B	980B	2 650	2 630	755	304	799	843	420B	223B	26
27	127B	104B	164B	2 000B	2 500	2 440	730	299	835	872	380B	220B	27
28	126B	103B	160B	3 590B	2 350	2 290	693	293	807	871	365B	218B	28
29	125B		156B	3 870	2 220	2 160	651	285	765	858	355B	216B	29
30	153B		153B	3 920	2 080	2 050	619	288	723	859	346B	214B	30
31	122B		150B		1 970		590	293		852		212B	31
TOTAL	4 350	3 112	4 167	18 672	99 230	71 250	40 889	12 909	10 887	19 363	16 654	8 036	TOTAL
MEAN	140	111	134	622	3 200	2 380	1 320	416	363	625	555	259	MEAN
MAX	163	121	181	3 920	4 450	3 070	1 990	571	835	872	835	338	MAX
MIN	122	103	101	147	1 970	1 640	590	285	219	479	320	212	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 848
MAXIMUM DAILY, 4 450B ON MAY 02
MINIMUM DAILY, 101B ON MAR 06
MAXIMUM INSTANTANEOUS,
4 710 AT 23:45 EST ON MAY 01

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 19 50 N
LONG 083 50 20 W
DRAINAGE AREA, 118 000 km²

B - ICE CONDITIONS

REGULATED SINCE 1934

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	376 000	JUL	3 530 000
FEB	269 000	AUG	1 120 000
MAR	360 000	SEP	941 000
APR	1 610 000	OCT	1 670 000
MAY	8 570 000	NOV	1 440 000
JUN	6 160 000	DEC	694 000

TOTAL DISCHARGE, 26 700 000 dam³

ALDER CREEK NEAR NEW DUNDEE - STATION NO. 02GA030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.250B	0.115B	0.096B	0.169	0.023	0.013	0.018	0.015	0.006	0.075	0.043	0.107	1
2	0.130B	0.202B	0.094B	0.208	0.016	0.010	0.008	0.009	0.009	0.067	0.041	0.096	2
3	0.086B	0.130B	0.112B	0.220	0.016	0.036	0.007	0.007	0.007	0.029	0.038	0.116	3
4	0.372	0.096B	0.084B	0.193	0.031	0.040	0.007	0.008	0.007	0.136	0.042	0.400	4
5	1.67	0.080B	0.070B	0.144	0.110	0.028	0.007	0.011	0.013	0.101	0.897	0.224	5
6	0.720B	0.073	0.063B	0.111	0.069	0.026	0.006	0.010	0.013	0.051	1.72	0.169	6
7	0.380B	0.074	0.056B	0.095	0.047	0.019	0.008	0.013	0.064	0.038	0.400	0.135	7
8	0.111B	0.384	0.054B	0.084	0.041	0.017	0.051	0.014	0.043	0.051	0.247	0.115	8
9	0.066	1.50 B	0.100B	0.084	0.031	0.023	0.755	0.009	0.024	0.437	0.175	0.123	9
10	0.060	0.656B	0.800B	0.209	0.035	0.014	0.091	0.011	0.018	0.476	0.171	0.179	10
11	0.061	0.289B	3.50 B	0.371	0.035	0.012	0.043	0.007	0.014	0.336	0.142	0.152	11
12	0.053B	0.211B	3.83	0.191	0.029	0.008	0.028	0.017	0.014	0.309	0.117	0.122	12
13	0.050B	0.200	2.09	0.134	0.113	0.009	0.022	0.093	0.012	0.405	0.102	0.386	13
14	0.047B	0.273	0.987	0.148	0.082	0.011	0.024	0.044	0.123	0.197	0.098	0.173B	14
15	0.045B	0.250B	0.648	0.196	0.057	0.011	0.026	0.021	0.208	0.114	0.107	0.125	15
16	0.045	0.210B	0.522	0.158	0.141	0.010	0.024	0.014	0.065	0.078	0.103	0.114	16
17	1.35 B	0.130B	0.429	0.160	0.316	0.007	0.018	0.011	0.045	0.481	0.089	0.107	17
18	1.78 B	0.110B	0.306	0.130	0.297	0.011	0.011	0.010	0.039	0.708	0.084	0.262	18
19	0.500B	0.078	0.242	0.099	0.201	0.011	0.018	0.062	0.042	0.402	0.074	0.286	19
20	0.150B	0.076	0.213B	0.105	0.320	0.010	0.058	0.054	0.053	0.178	0.067	0.161	20
21	0.120B	0.075	0.205B	0.193	0.336	0.010	0.033	0.029	0.032	0.130	0.062	0.199	21
22	0.105B	2.59	0.258	0.123	0.183	0.024	0.043	0.019	0.028	0.105	0.228	0.552E	22
23	0.097B	4.20	0.385	0.093	0.117	0.165	0.097	0.015	0.033	0.084	0.211	0.575	23
24	0.125	0.633B	0.202B	0.096	0.076	0.116	0.036	0.012	0.035	0.073	0.185	0.263	24
25	0.348	0.325B	0.153B	0.063	0.057	0.051	0.023	0.011	0.034	0.065	0.143	0.176B	25
26	0.542	0.250B	0.130B	0.082	0.040	0.028	0.017	0.009	0.042	0.058	0.112	0.170B	26
27	0.315	0.160B	0.109B	0.055	0.042	0.025	0.013	0.008	0.036	0.054	0.208	0.150B	27
28	0.410B	0.130B	0.099B	0.038	0.037	0.019	0.010	0.131	0.027	0.054	0.287	0.138B	28
29	0.180B		0.095	0.033	0.019	0.028	0.009	0.059	0.026	0.047	0.204	3.23	29
30	0.102B		0.149	0.030	0.014	0.028	0.022	0.030	0.046	0.044	0.132	2.89	30
31	0.098B		0.190		0.014		0.049	0.006		0.045		0.514	31
TOTAL	10.376	13.500	16.271	4.015	2.945	0.820	1.582	0.769	1.158	5.428	6.529	12.409	TOTAL
MEAN	0.335	0.482	0.525	0.134	0.095	0.027	0.051	0.025	0.039	0.175	0.218	0.400	MEAN
MAX	1.78	4.20	3.83	0.371	0.336	0.165	0.755	0.131	0.208	0.708	1.72	3.23	MAX
MIN	0.045	0.073	0.054	0.030	0.014	0.007	0.006	0.006	0.006	0.029	0.038	0.096	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.208
MAXIMUM DAILY, 4.20 ON FEB 23
MINIMUM DAILY, 0.006 ON JUL 06

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 22 19 N
LONG 080 33 06 W
DRAINAGE AREA, 49.7 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	896	JUL	137
FEB	1 170	AUG	66.4
MAR	1 410	SEP	100
APR	347	OCT	469
MAY	254	NOV	564
JUN	70.8	DEC	1 070

TOTAL DISCHARGE, 6 550 dam³

AMABLE DU FOND RIVER AT SAMUEL DE CHAMPLAIN PROVINCIAL PARK - STATION NO. 02JE019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.50B	10.4 B	8.10B	26.5B	48.7	25.3	9.61	7.64	3.63	6.25	15.3	53.6	1
2	5.40B	10.2 B	8.00B	26.8B	44.9	21.7	9.88	6.70	3.52	7.08	15.0	49.1	2
3	5.25B	9.90B	7.85B	27.5B	42.0	21.0	9.42	5.21	3.41	7.44	15.1	47.5	3
4	5.40B	9.60B	7.65B	28.8B	40.2	20.6	8.24	4.24	3.36	8.17	15.5	45.1	4
5	5.60B	9.40B	7.50B	29.0B	38.6	20.1	6.76	4.36	3.34	9.22	16.5	42.2	5
6	5.75B	9.20B	7.30B	28.5B	37.1	19.6	6.19	4.44	3.37	9.38	18.1	38.7	6
7	5.85B	9.10B	7.20B	28.0B	35.7	18.9	5.98	4.31	3.41	9.34	18.5	37.1	7
8	5.90B	9.00B	7.00B	27.5B	35.9	18.6	5.96	4.28	3.30	11.6	18.0	36.0	8
9	5.95B	8.95B	6.90B	27.5B	37.8	18.5	6.08	4.30	3.24	12.8	17.2	34.8	9
10	6.00B	8.90B	6.80B	28.0B	37.4	18.3	5.99	4.19	3.35	15.3	17.1	33.5	10
11	6.01B	8.80B	6.75B	28.0B	36.5	18.0	5.83	4.20	3.55	19.8	17.1	32.0	11
12	6.02B	8.90B	6.90B	27.5B	35.3	17.1	5.68	4.13	3.63	19.8	16.9	31.4	12
13	6.01B	9.20B	7.30B	27.5	33.4	16.8	5.52	4.09	4.15	18.7	16.5	30.7	13
14	5.99B	9.60B	9.20B	28.1	30.1	16.2	5.45	4.12	5.07	16.9	16.0	29.3	14
15	5.90B	9.50B	15.0 B	29.2	24.3	15.6	5.93	4.06	15.3	15.8	16.0	28.5	15
16	5.87B	9.45B	21.5 B	30.1	23.2	14.9	6.06	4.04	21.2	15.6	20.3	27.8	16
17	5.90B	9.40B	31.0 B	30.7	25.5	14.3	6.03	3.87	15.3	16.3	31.0	26.9	17
18	7.00B	9.30B	34.0 B	30.0	41.6	15.4	5.84	4.08	10.4	20.9	29.3	26.6	18
19	7.70B	9.25B	37.8	29.2	59.4	16.4	5.77	4.19	8.39	25.0	25.5	25.7	19
20	8.50B	9.20B	37.2	32.7	60.1	15.4	5.69	4.18	6.58	24.4	23.3	24.0	20
21	9.40B	8.90B	34.4	36.9	53.6	14.4	5.50	4.16	5.96	22.1	22.1	24.0	21
22	10.2 B	8.75B	32.8	40.4	50.2	14.2	5.37	4.10	6.14	21.0	21.2	23.8	22
23	11.5 B	8.65B	35.3	45.4	44.6	14.3	6.14	3.94	6.11	20.9	19.6	23.4	23
24	11.6 B	8.60B	33.9	50.1	38.7	14.4	7.35	3.82	6.00	20.1 A	15.5	23.0	24
25	11.8 B	8.60B	32.0 B	53.7	36.7	13.8	7.53	3.85	5.93	19.3	33.2	21.7	25
26	11.8 B	8.50B	31.0 B	55.1	35.0	12.2	7.21	3.79	6.44	18.6	30.6	21.0	26
27	11.6 B	8.40B	30.0 B	57.0	33.4	9.87	6.84	3.75	6.96	17.3	33.4	19.8	27
28	11.5 B	8.35B	29.0 B	52.8	31.0	9.13	6.53	3.76	6.82	16.8	54.3	19.1	28
29	11.2 B		28.0 B	50.1	30.4	8.71	6.06	3.83	6.29	16.6	65.1	20.1	29
30	11.0 B		27.4 B	51.0	29.2	9.11	5.57	3.93	5.98	16.1	59.0	20.6	30
31	10.7 B		26.8 B		27.9		5.48	3.72		15.8		18.2B	31
TOTAL	244.30	256.00	621.55	1 063.6	1 179.4	482.82	201.49	133.21	190.13	494.48	778.9	935.2	TOTAL
MEAN	7.88	9.14	20.1	35.5	38.0	16.1	6.50	4.30	6.34	16.0	26.0	30.2	MEAN
MAX	11.8	10.4	37.8	57.0	60.1	25.3	9.88	7.64	21.2	25.0	65.1	53.6	MAX
MIN	5.25	8.35	6.75	26.5	23.2	8.71	5.37	3.72	3.24	6.25	15.0	18.2	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.0
MAXIMUM DAILY, 65.1 ON NOV 29
MINIMUM DAILY, 3.24 ON SEP 09
MAXIMUM INSTANTANEOUS,
66.1 AT 11:18 EST ON NOV 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 18 00 N
LONG 078 52 45 W
DRAINAGE AREA, 1 130 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	21 100	JUL	17 400
FEB	22 100	AUG	11 500
MAR	53 700	SEP	16 400
APR	91 900	OCT	42 700
MAY	102 000	NOV	67 300
JUN	41 700	DEC	80 800

TOTAL DISCHARGE, 569 000 dam³

ANCASTER CREEK AT ANCASTER - STATION NO. 02HB021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.073	0.107	0.096	0.099	0.067	0.067	0.061	0.036	0.051	0.057	0.064	0.066	1
2	0.062	0.146	0.102	0.151	0.066	0.061	0.050	0.036	0.046	0.068	0.057	0.063	2
3	0.063	0.104	0.098	0.126	0.066	0.145	0.045	0.035	0.044	0.043	0.045	0.126	3
4	0.146	0.080B	0.084B	0.149	0.080	0.095	0.045	0.037	0.045	0.111	0.061	0.217	4
5	0.103	0.074	0.075B	0.116	0.092	0.069	0.043	0.045	0.045	0.057	0.295	0.105	5
6	0.074	0.083	0.072B	0.101	0.071	0.068	0.053	0.044	0.045	0.049	0.235	0.092	6
7	0.070B	0.095	0.071B	0.093	0.071	0.064	0.042	0.043	0.054	0.047	0.086	0.083	7
8	0.070	0.188	0.077	0.086	0.069	0.093	0.078	0.040	0.049	0.059	0.082	0.084	8
9	0.079	0.572	0.091	0.082	0.064	0.076	0.128	0.040	0.051	0.149	0.083	0.096	9
10	0.130	0.176	0.151	0.177	0.081	0.066	0.056	0.045	0.057	0.178	0.082	0.097	10
11	0.093	0.104	0.512	0.196	0.069	0.059	0.052	0.044	0.052	0.152	0.073	0.081	11
12	0.083	0.087	0.798	0.111	0.072	0.054	0.053	0.063	0.051	0.198	0.071	0.078	12
13	0.070B	0.104	0.589	0.101	0.203	0.052	0.044	0.133	0.047	0.133	0.070	0.091	13
14	0.064	0.114	0.270	0.125	0.113	0.049	0.048	0.058	0.092	0.072	0.067	0.071	14
15	0.066	0.090	0.186	0.110	0.089	0.052	0.120	0.048	0.066	0.085	0.067	0.073	15
16	0.071	0.090B	0.162	0.098	0.234	0.046	0.068	0.046	0.053	0.065	0.064	0.101	16
17	0.204	0.080B	0.145	0.116	0.257	0.045	0.061	0.044	0.050	0.078	0.056	0.080	17
18	0.693	0.078B	0.125	0.095	0.158	0.071	0.055	0.043	0.048	0.105	0.081	0.142	18
19	0.141	0.076	0.120	0.092	0.112	0.050	0.053	0.192	0.057	0.071	0.076	0.113	19
20	0.097	0.074	0.121	0.137	0.260	0.047	0.077	0.074	0.051	0.067	0.070	0.084	20
21	0.088	0.074	0.122	0.142	0.197	0.046	0.059	0.062	0.049	0.065	0.063	0.138	21
22	0.078	0.655	0.127	0.103	0.125	0.057	0.090	0.057	0.052	0.072	0.089	0.161	22
23	0.074	0.729	0.119	0.096	0.102	0.059	0.077	0.052	0.050	0.066	0.073	0.451	23
24	0.150	0.235B	0.097	0.086	0.092	0.057	0.058	0.049	0.049	0.064	0.074	0.153	24
25	0.158	0.162B	0.096	0.081	0.092	0.059	0.053	0.042	0.048	0.061	0.069	0.106	25
26	0.131	0.125B	0.092	0.079	0.086	0.053	0.042	0.037	0.048	0.061	0.063	0.093	26
27	0.093	0.112	0.084B	0.079	0.080	0.061	0.041	0.058	0.043	0.061	0.110	0.083	27
28	0.095	0.100	0.088	0.074	0.077	0.051	0.042	0.397	0.044	0.064	0.057	0.085B	28
29	0.081		0.090	0.073	0.098	0.090	0.038	0.117	0.047	0.062	0.060	1.31	29
30	0.075		0.116	0.071	0.078	0.065	0.040	0.064	0.116	0.061	0.066	0.821	30
31	0.071		0.103		0.071		0.036	0.057		0.055		0.210	31
TOTAL	3.847	4.714	5.079	3.245	3.472	1.927	1.808	2.138	1.600	2.536	2.509	5.554	TOTAL
MEAN	0.124	0.168	0.164	0.108	0.112	0.064	0.058	0.069	0.053	0.082	0.084	0.179	MEAN
MAX	0.693	0.729	0.798	0.196	0.260	0.145	0.128	0.397	0.116	0.198	0.295	1.31	MAX
MIN	0.062	0.074	0.071	0.071	0.064	0.045	0.036	0.035	0.043	0.043	0.045	0.063	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.105
MAXIMUM DAILY, 1.31 ON DEC 29
MINIMUM DAILY, 0.035 ON AUG 03
MAXIMUM INSTANTANEOUS,
2.38 AT 17:19 EST ON DEC 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 13 52 N
LONG 079 58 24 W
DRAINAGE AREA, 9.14 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	332	JUL	156
FEB	407	AUG	185
MAR	439	SEP	138
APR	280	OCT	219
MAY	300	NOV	217
JUN	166	DEC	480

TOTAL DISCHARGE, 3 320 dam³

ASHEWEIG RIVER AT STRAIGHT LAKE - STATION NO. 04DB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	47.0B	31.6B	22.5B	16.8	18.4	174	81.4	36.7	16.7	11.8	12.4	20.5B	1
2	46.5B	31.2B	22.2B	16.5	18.7	178	78.6	35.6	15.8	11.9	12.5	20.8B	2
3	45.8B	30.8B	21.9B	16.4	18.9	178	76.4	34.9	15.5	11.8	12.6	21.0B	3
4	45.3B	30.4B	21.6B	16.2	19.5	180	73.6	33.5	16.4	11.8	12.7	21.2B	4
5	44.5B	30.0B	21.3B	15.9	20.1	176	71.8	32.0	15.5	11.8	12.8	21.4B	5
6	43.9B	29.7B	21.0B	15.9	20.8	173	69.9	31.6	15.3	12.0	12.8	21.5B	6
7	43.3B	29.3B	20.8B	15.9	21.8	172	67.7	30.9	14.5	12.1	12.9	21.6B	7
8	42.7B	29.0B	20.6B	15.7	22.7	169	66.1	29.8	14.7	12.1	13.0	21.8B	8
9	42.1B	28.6B	20.4B	15.6	23.7	165	64.1	28.3	14.6	12.1	13.3	21.9B	9
10	41.5B	28.2B	20.2B	15.4	25.2	162	63.4	27.0	14.2	12.0	13.5	22.0B	10
11	41.1B	27.9B	20.0B	15.2	26.8	157	62.1	26.8	14.0	11.9	13.6	22.0B	11
12	40.8B	27.5B	19.8B	15.1	29.0	153	59.6	26.1	13.8	11.9	13.9	22.0B	12
13	40.2B	27.2B	19.6B	15.0	31.7	151	57.7	25.5	13.8	11.8	14.1	21.9B	13
14	39.7B	26.8B	19.3B	14.8	35.0	146	56.1	26.3	13.6	11.9	14.3	21.9B	14
15	39.2B	26.5B	19.1B	14.7	38.8	144	54.4	24.0	13.5	11.8	14.5	21.8B	15
16	38.7B	26.2B	19.4B	14.6	42.8	139	52.9	23.0	13.2	11.8	14.6	21.7B	16
17	38.2B	25.9B	19.4B	14.4	48.4	132	51.4	21.7	12.9	11.8	14.8	21.6B	17
18	37.5B	25.6B	19.1B	14.0	55.1	126	50.0	20.4	12.8	11.9	15.2	21.6B	18
19	37.0B	25.3B	18.8B	13.8	63.1	120	49.6	19.8	12.9	11.8	15.5	21.5B	19
20	36.6B	25.0B	18.9	13.9	71.0	116	49.1	19.4	12.8	11.9	16.0	21.5B	20
21	36.0B	24.8B	18.6	13.8	80.3	113	47.9	18.8	12.8	11.9	16.5	21.5B	21
22	35.5B	24.5B	18.4	13.9	92.3	111	46.8	18.8	12.9	11.9	17.2	21.4B	22
23	35.0B	24.2B	18.1	14.3	104	108	46.1	18.2	12.4	12.0	17.8	21.4B	23
24	34.7B	23.9B	17.8	15.1	116	103	44.8	18.8	12.5	12.0	18.2	21.3B	24
25	34.3B	23.6B	17.7	15.5	128	98.7	44.0	18.3	12.4	12.0	18.6	21.3B	25
26	34.0B	23.3B	17.5	16.3	139	95.7	42.7	17.9	12.4	12.0	19.1	21.2B	26
27	33.6B	23.0B	17.4	16.9	149	92.9	41.4	17.5	12.3	12.1	19.6	21.2B	27
28	33.2B	22.8B	17.2	17.4	158	89.3	40.3	17.7	12.3	12.0	19.7B	21.1B	28
29	32.8B		17.2	18.0	165	85.3	39.8	17.4	12.1	12.1	20.0B	21.1B	29
30	32.4B		17.2	18.3	168	82.3	38.2	17.5	11.9	12.1	20.3B	21.0B	30
31	32.0B		17.2		172		37.7	17.2		12.2		21.0B	31
TOTAL	1 205.1	752.8	600.2	465.3	2 123.1	4 090.2	1 725.6	751.4	410.5	370.2	462.0	664.7	TOTAL
MEAN	38.9	26.9	19.4	15.5	68.5	136	55.7	24.2	13.7	11.9	15.4	21.4	MEAN
MAX	47.0	31.6	22.5	18.3	172	180	81.4	36.7	16.7	12.2	20.3	22.0	MAX
MIN	32.0	22.8	17.2	13.8	18.4	82.3	37.7	17.2	11.9	11.8	12.4	20.5	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 37.3
MAXIMUM DAILY, 180 ON JUN 04
MINIMUM DAILY, 11.8 ON OCT 01
MAXIMUM INSTANTANEOUS,
181 AT 16:49 EST ON JUN 04

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 43 00 N
LONG 087 56 40 W
DRAINAGE AREA, 7 950 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	104 000	JUL	149 000
FEB	65 000	AUG	64 900
MAR	51 900	SEP	35 500
APR	40 200	OCT	32 000
MAY	103 000	NOV	39 900
JUN	353 000	DEC	57 400

TOTAL DISCHARGE, 1 180 000 dam³

ATIKOKAN RIVER AT ATIKOKAN - STATION NO. 05PB018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.03B	1.03B	1.08B	2.47B	10.2	6.38A	6.13E	3.84	2.10	1.50	1.56	1.30B	1
2	1.03B	1.03B	1.08B	2.48B	9.54	6.47	6.03E	3.69	2.06	1.49	1.51	1.25B	2
3	1.03B	1.03B	1.08B	2.50B	9.00	6.93	5.98E	3.57	2.06	1.92	1.47	1.19B	3
4	1.03B	1.03B	1.08B	2.52B	8.62	7.30	5.84E	3.49	2.05	2.09	1.44	1.17B	4
5	1.03B	1.03B	1.08B	2.54B	8.35	7.11	5.77E	3.33	1.98	2.04	1.42	1.21B	5
6	1.03B	1.03B	1.09B	2.55B	8.32	7.01	5.67E	3.26	1.91	2.02	1.39	1.22B	6
7	1.03B	1.03B	1.09B	2.58B	8.13	6.82	5.57E	3.18	1.83	1.93	1.34	1.28B	7
8	1.03B	1.04B	1.10B	2.60B	8.00	6.77	5.46E	3.09	1.80	1.86	1.30	1.29B	8
9	1.03B	1.04B	1.11B	2.61B	8.04	7.25	5.36E	2.99	1.77	1.80	1.35	1.27B	9
10	1.03B	1.04B	1.13B	2.62B	8.08	7.24	5.28E	2.97	1.69	1.78	1.22	1.22B	10
11	1.03B	1.04B	1.19B	2.64B	8.12	6.92	5.18E	3.05	1.69	1.72	1.32	1.20B	11
12	1.03B	1.04B	1.30B	2.65B	8.19	6.76	5.09E	2.98	1.82	1.68	1.26	1.21B	12
13	1.03B	1.04B	1.42B	2.66B	8.13	6.62	5.01E	2.91	1.98	1.67	1.25	1.21B	13
14	1.03B	1.05B	1.53B	2.66B	8.36	6.33	4.92E	2.84	1.94	1.64	1.27	1.22B	14
15	1.03B	1.05B	1.66B	2.67B	8.40	6.15	4.85E	2.70	1.94	1.60	1.26	1.20B	15
16	1.03B	1.05B	1.77B	2.68B	8.54	5.97	4.75E	2.65	1.95	1.58	1.25	1.19B	16
17	1.03B	1.05B	1.87B	2.72B	8.82	6.14	4.68E	2.67	1.89	1.64	1.20	1.19B	17
18	1.03B	1.05B	1.95B	2.77B	8.96	6.87	4.59A	2.62	1.86	1.69	1.20	1.19B	18
19	1.03B	1.05B	2.04B	3.10B	8.97	7.11	4.52	2.52	1.83	1.67	1.19	1.18B	19
20	1.03B	1.05B	2.12B	3.49B	8.74	7.40	4.39	2.43	1.77	1.70	1.21	1.20B	20
21	1.03B	1.05B	2.18B	3.75	8.50	7.74	4.28	2.38	1.79	1.72	1.38	1.18B	21
22	1.03B	1.05B	2.22B	4.00	8.31	7.47	4.16	2.32	1.79	1.75	1.38	1.22B	22
23	1.03B	1.05B	2.25B	4.49	8.20	7.08	4.12	2.28	1.76	1.77	1.21	1.29B	23
24	1.03B	1.06B	2.28B	4.88	8.02	6.78	4.02	2.28	1.75	1.79	1.25	1.38B	24
25	1.03B	1.06B	2.30B	5.00	7.85	6.61	3.87	2.28	1.71	1.79	1.30B	1.49B	25
26	1.03B	1.06B	2.32B	7.44	7.66	6.39	3.87	2.23	1.65	1.76	1.29B	1.55B	26
27	1.03B	1.07B	2.35B	7.95	7.50A	6.23	3.90	2.18	1.60	1.76	1.26B	1.72B	27
28	1.03B	1.08B	2.37B	9.72	7.31E	6.23	3.94	2.17	1.57	1.72	1.25B	1.70B	28
29	1.03B		2.40B	13.0	7.05E	6.34	4.11	2.13	1.54	1.71	1.26B	1.63B	29
30	1.03B		2.42B	11.2	6.80E	6.20E	4.11	2.10	1.51	1.65	1.30B	1.59B	30
31	1.03B		2.44B		6.59E		3.96	2.10		1.60		1.61B	31
TOTAL	31.93	29.28	53.30	124.94	255.30	202.62	149.38	85.23	54.57	54.04	39.29	40.75	TOTAL
MEAN	1.03	1.05	1.72	4.16	8.24	6.75	4.82	2.75	1.82	1.74	1.31	1.31	MEAN
MAX	1.03	1.08	2.44	13.0	10.2	7.74	6.13	3.84	2.10	2.09	1.56	1.72	MAX
MIN	1.03	1.03	1.08	2.47	6.59	5.97	3.87	2.10	1.51	1.49	1.19	1.17	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.07
MAXIMUM DAILY, 13.0 ON APR 29
MINIMUM DAILY, 1.03B ON JAN 01
MAXIMUM INSTANTANEOUS,
13.6E AT 07:44 CST ON APR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 45 07 N
LONG 091 35 02 W
DRAINAGE AREA, 332 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 760	JUL	12 900
FEB	2 530	AUG	7 360
MAR	4 610	SEP	4 710
APR	10 800	OCT	4 670
MAY	22 100	NOV	3 390
JUN	17 500	DEC	3 520

TOTAL DISCHARGE, 96 900 dam³

ATTAWAPISKAT RIVER BELOW ATTAWAPISKAT LAKE - STATION NO. 04FB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	61.5B	46.7B	32.1B	18.6B	40.3B	446	415	196	92.7	93.5	174	197B	1
2	61.0B	46.0B	31.7B	18.4B	51.5B	437	405	191	90.6	94.7	176	193B	2
3	60.5B	45.4B	31.2B	18.1B	61.0B	470	393	187	90.0	97.8	179	190B	3
4	60.0B	44.7B	30.7B	17.8B	75.5B	494	384	183	94.0	105	179	185B	4
5	59.5B	44.0B	30.2B	17.5B	90.0B	497	374	181	94.8	111	179	182B	5
6	59.0B	43.5B	29.7B	17.2B	105 B	499	364	180	92.1	115	178	179B	6
7	58.5B	43.0B	29.2B	17.0B	127 B	502	355	177	91.3	118	176	174B	7
8	58.0B	42.5B	28.8B	16.8B	150	506	350	172	88.4	121	175	171B	8
9	57.5B	42.0B	28.4B	16.6B	159	516	345	167	85.8	125	180	168B	9
10	57.0B	41.5B	28.0B	16.4B	171	526	341	163	83.3	128	173	164B	10
11	56.5B	41.0B	27.5B	16.2B	187	535	337	159	81.9	131	172	161B	11
12	56.0B	40.5B	27.0B	16.1B	206	537	332	155	82.2	132	173	157B	12
13	55.5B	40.2B	26.5B	15.9B	229	540	325	151	82.8	134	178	154B	13
14	55.0B	39.8B	26.0B	15.8B	258	543	315	147	83.5	137	189	151B	14
15	54.5B	39.5B	25.4B	15.7B	293	549	307	143	84.6	141	195	148B	15
16	54.0B	39.0B	25.0B	15.6B	323	551	299	139	84.7	145	179	144B	16
17	53.5B	38.5B	24.6B	15.5B	354	547	291	135	84.4	148	178	142B	17
18	53.0B	38.0B	24.2B	15.4B	384	544	289	131	83.9	151	179	139B	18
19	52.5B	37.5B	23.7B	15.3B	408	537	282	128	83.2	156	170	136B	19
20	52.0B	37.0B	23.2B	15.2B	427	527	274	124	82.8	161	171	133B	20
21	51.5B	36.5B	22.8B	15.3B	444	521	269	121	82.1	165	169	131B	21
22	51.0B	36.0B	22.4B	15.7B	456	514	262	117	84.4	168	170	129B	22
23	50.5B	35.5B	22.0B	16.1B	466	505	253	113	88.3	170	171	126B	23
24	50.0B	35.0B	21.6B	16.9B	473	492	244	109	89.7	172	177B	123B	24
25	49.5B	34.5B	21.1B	17.5B	478	477	237	107	90.9	174	180B	121B	25
26	49.2B	34.1B	20.3B	18.6B	480	470	231	106	91.3	175	186B	119B	26
27	48.8B	33.8B	20.0B	19.8B	479	459	225	104	91.8	175	190B	116B	27
28	48.5B	33.3B	19.8B	21.8B	477	445	218	102	92.3	175	193B	114B	28
29	48.0B		19.5B	26.0B	473	433	209	101	92.4	176	196B	112B	29
30	47.5B		19.2B	31.5B	465	424	203	98.6	92.8	176	199B	110B	30
31	47.0B		18.9B		456		200	96.4		175		107B	31
TOTAL	1 676.5	1 109.0	780.7	530.3	9 246.3	15 043	9 328	4 384.0	2 633.0	4 446.0	5 384	4 576	TOTAL
MEAN	54.1	39.6	25.2	17.7	298	501	301	141	87.8	143	179	148	MEAN
MAX	61.5	46.7	32.1	31.5	480	551	415	196	94.8	176	199	197	MAX
MIN	47.0	33.3	18.9	15.2	40.3	424	200	96.4	81.9	93.5	169	107	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 162
MAXIMUM DAILY, 551 ON JUN 16
MINIMUM DAILY, 15.2B ON APR 20
MAXIMUM INSTANTANEOUS,
552 AT 11:10 EST ON JUN 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 05 15 N
LONG 087 04 42 W
DRAINAGE AREA, 24 200 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	145 000	JUL	806 000
FEB	95 800	AUG	379 000
MAR	67 500	SEP	227 000
APR	45 800	OCT	384 000
MAY	799 000	NOV	465 000
JUN	1 300 000	DEC	395 000

TOTAL DISCHARGE, 5 110 000 dam³

ATTAWAPISKAT RIVER BELOW MUKETEI RIVER - STATION NO. 04FC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	92.0B	65.5B	46.5B	52.0B	104B	668	511	216	107	107	212B	249B	1
2	91.0B	64.7B	46.2B	52.0B	118B	653	499	211	105	106	215B	242B	2
3	90.0B	64.0B	46.0B	51.8B	140B	645	482	206	105	112	223B	237B	3
4	89.0B	63.0B	46.0B	51.5B	160B	706	469	211	105	118	229B	232B	4
5	88.0B	62.0B	46.0B	51.0B	182B	783	453	206	102	117	230B	227B	5
6	87.0B	61.2B	46.0B	50.6B	205B	815	444	196	101	120	226B	222B	6
7	86.0B	60.5B	46.0B	50.2B	228B	812	432	195	100	126	220B	217B	7
8	85.0B	59.7B	46.0B	50.0B	255B	804	424	192	99.2	132	218B	212B	8
9	84.0B	59.0B	46.0B	50.0B	280B	792	407	186	99.4	136	216B	207B	9
10	83.0B	58.0B	46.0B	49.8B	315B	785	399	181	98.5	139	213B	202B	10
11	82.2B	57.2B	46.0B	49.6B	350B	784	394	178	97.5	139	210B	197B	11
12	81.5B	56.5B	46.0B	49.5B	390B	777	392	173	95.9	140	209B	193B	12
13	80.8B	56.0B	46.0B	49.5B	430B	765	384	169	97.6	143	208B	188B	13
14	80.0B	55.3B	46.0B	49.5B	480B	748	377	163	101	146	207B	184B	14
15	79.4B	54.8B	46.2B	49.3B	525B	737	367	157	96.2	145	209B	180B	15
16	78.7B	54.2B	46.5B	49.0B	565B	735	357	153	94.8	147	210B	176B	16
17	78.0B	53.8B	47.0B	49.0B	600B	727	345	147	95.8	151	211B	172B	17
18	77.0B	53.0B	47.5B	49.2B	650E	707	334	141	96.8	151	211B	168B	18
19	76.0B	52.2B	47.8B	49.5B	690E	694	322	137	100	152	212B	165B	19
20	75.0B	51.4B	48.0B	50.0B	710E	681	319	134	99.5	159	213B	161B	20
21	74.0B	50.6B	48.5B	50.6B	730E	662	313	130	99.8	170	220B	158B	21
22	73.5B	50.0B	49.0B	52.3B	751A	643	304	127	101	180	232B	153B	22
23	73.0B	49.5B	49.5B	53.5B	754A	624	296	125	97.8	184B	250B	150B	23
24	72.0B	49.0B	50.0B	55.5B	760A	618	286	121	100	190B	268B	148B	24
25	71.0B	48.6B	50.2B	58.0B	759	601	276	120	101	198	272B	144B	25
26	70.0B	48.3B	50.5B	61.0B	754	586	268	119	104	208B	275B	141B	26
27	69.2B	48.0B	50.8B	66.0B	745	566	259	113	105	220B	272B	138B	27
28	68.4B	47.6B	51.0B	73.0B	731	556	248	112	105	228B	264B	135B	28
29	68.0B		51.1B	81.0B	716	541	237	111	106	227B	259B	133B	29
30	67.5B		51.5B	90.0B	705	526	228	111	106	221B	253B	131B	30
31	66.5B		52.0B		689		223	109		216B		130B	31
TOTAL	2 436.7	1 553.6	1 481.8	1 643.9	15 471	20 741	11 049	4 850	3 022.8	4 928	6 867	5 592	TOTAL
MEAN	78.6	55.5	47.8	54.8	499	691	356	156	101	159	229	180	MEAN
MAX	92.0	65.5	52.0	90.0	760	815	511	216	107	228	275	249	MAX
MIN	66.5	47.6	46.0	49.0	104	526	223	109	94.8	106	207	130	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 218
MAXIMUM DAILY, 815 ON JUN 06
MINIMUM DAILY, 46.0B ON MAR 03
MAXIMUM INSTANTANEOUS,
818 AT 15:51 EST ON JUN 06

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 05 30 N
LONG 085 00 30 W
DRAINAGE AREA, 36 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	211 000	JUL	955 000
FEB	134 000	AUG	419 000
MAR	128 000	SEP	261 000
APR	142 000	OCT	426 000
MAY	1 340 000	NOV	593 000
JUN	1 790 000	DEC	483 000

TOTAL DISCHARGE, 6 880 000 dam³

AUBINADONG RIVER ABOVE SESABIC CREEK - STATION NO. 02CB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.90B	4.80B	3.75B	21.8B	80.5	29.3	35.0	9.24	3.51	3.63	17.2	30.3	1
2	4.95B	4.63B	3.73B	21.4B	70.4	27.3	36.1	8.65	3.35	3.76	16.4	28.0	2
3	4.90B	4.55B	3.70B	21.2B	60.6	28.4	33.1	8.21	3.39	3.93	16.0	26.0 B	3
4	4.98B	4.38B	3.67B	21.0B	53.2	29.3	29.6	7.73	3.81	5.14	15.7	24.5 B	4
5	4.90B	4.30B	3.63B	20.5B	47.5	28.7	26.5	7.45	3.87	5.86	15.2	23.0 B	5
6	4.80B	4.28B	3.60B	20.0B	42.8	27.7	24.2	7.17	3.72	5.67	14.9	21.9 B	6
7	4.75B	4.27B	3.60B	19.8B	39.5	26.3	21.9	6.84	3.52	5.37	14.6	20.9 B	7
8	4.70B	4.28B	3.65B	19.5	42.2	24.8	22.4	6.73	3.30	5.09	14.0	19.9 B	8
9	4.62B	4.35B	3.75B	18.9	46.4	24.1	26.2	6.52	3.07	4.86	13.7	19.0 B	9
10	4.60B	4.30B	3.90B	18.7	78.8	23.9	26.6	6.39	2.91	4.79	13.5	18.3 B	10
11	4.60B	4.25B	4.10B	18.6	128	23.8	24.8	6.28	2.84	5.31	13.2	17.7 B	11
12	4.59B	4.20B	4.40B	18.4	133	23.0	22.6	6.41	2.97	5.51	12.3B	17.0 B	12
13	4.58B	4.16B	5.10B	17.7	112	27.5	20.6	6.44	3.17	5.50	11.8B	16.3 B	13
14	4.59B	4.08B	6.20B	17.7	94.6	30.4	18.9	6.02	3.61	5.85	11.3B	15.7 B	14
15	4.60B	4.03B	7.70B	18.5	81.6	29.7	17.6	5.74	3.77	6.94	11.7	15.1 B	15
16	4.68B	4.00B	15.3 B	19.2	76.1	27.8	17.1	5.47	3.72	7.35	12.2	14.7 B	16
17	4.72B	3.98B	26.4 B	19.9	101	26.4	16.7	5.20	3.56	8.92	13.9	14.1 B	17
18	4.78B	3.92B	33.1 B	19.8	118	26.1	16.4	4.85	3.39	14.5	14.2	13.7 B	18
19	4.80B	3.90B	34.0 B	20.5	118	25.8	15.8	4.62	3.45	20.1	14.3	13.3 B	19
20	4.78B	3.88B	33.6 B	21.7	105	24.8	15.2	4.35	3.41	22.3	14.2	12.9 B	20
21	4.72B	3.92B	33.4 B	27.1	92.3	23.9	14.3	4.19	3.47	25.1	14.5	12.5 B	21
22	4.65B	3.98B	32.8 B	37.1	81.1	23.2	13.8	4.11	3.77	28.2	18.5	12.2 B	22
23	4.60B	3.96B	30.0 B	51.4	71.1	24.0	14.0	4.07	3.92	29.0	22.1	11.9 B	23
24	4.70B	3.92B	27.4 B	69.7	62.7	26.7	13.2	3.94	4.02	27.4	23.3	11.6 B	24
25	4.90B	3.90B	26.8 B	94.3	56.0	26.9	12.2	3.86	4.08	25.5	23.3	11.3 B	25
26	5.05B	3.87B	26.0 B	116	50.3	25.7	11.3	3.91	4.06	23.9	22.0	11.0 B	26
27	5.15B	3.83B	25.2 B	123	46.0	24.4	10.7	3.87	4.15	22.3	20.9	10.8 B	27
28	5.20B	3.78B	24.7 B	118	41.8	22.9	9.98	3.95	4.07	22.1	21.7	10.5 B	28
29	5.15B		23.7 B	106	38.0	24.3	9.89	3.86	4.08	20.0	21.7	10.3 B	29
30	5.05B		23.0 B	92.3	34.8	29.0	10.2	3.77	3.65	18.9	31.6	10.1 B	30
31	4.90B		22.3 B		31.9		9.80	3.65		18.0		9.90B	31
TOTAL	148.97	115.70	501.98	1 229.4	2 235.2	785.9	596.67	173.49	107.41	409.78	517.9	504.40	TOTAL
MEAN	4.81	4.13	16.2	41.0	72.1	26.2	19.2	5.60	3.58	13.2	17.3	16.3	MEAN
MAX	5.20	4.80	34.0	123	133	30.2	36.1	9.24	4.15	29.0	31.7	30.3	MAX
MIN	4.58	3.78	3.60	17.7	31.9	22.9	9.80	3.65	2.84	3.63	11.3	9.90	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 20.1
MAXIMUM DAILY, 133 ON MAY 12
MINIMUM DAILY, 2.84 ON SEP 11
MAXIMUM INSTANTANEOUS,
139 AT 02:16 EST ON MAY 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 58 07 N
LONG 083 25 00 W
DRAINAGE AREA, 1 440 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	12 900	JUL	51 600
FEB	10 000	AUG	15 000
MAR	43 400	SEP	9 280
APR	106 000	OCT	35 400
MAY	193 000	NOV	44 700
JUN	67 900	DEC	43 600

TOTAL DISCHARGE, 633 000 dam³

AUSABLE RIVER NEAR EXETER - STATION NO. 02FF009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.870B	1.69	1.18 B	1.27	0.966	0.514	0.164	0.575	0.311	2.80	1.06	2.03	1
2	0.980B	2.43	1.37 B	1.37	0.524	0.260	0.152	0.350	0.245	1.66	0.966	1.64	2
3	0.820B	2.04	1.96 B	1.97	0.222	0.391	0.119	0.269	0.186	1.14	0.909	1.52	3
4	3.55 B	1.72	1.34 B	2.17	0.088	1.04	0.097	0.191	0.155	2.11	0.892	2.44	4
5	8.02 B	1.47	1.10 B	1.84	0.161	0.811	0.090	0.187	0.143	3.28	4.04	2.24	5
6	5.54 B	1.34	0.940B	1.48	0.078	0.628	0.081	0.159	0.212	1.81	18.3	1.97	6
7	3.19 B	1.32	0.820B	1.29	0.247	0.609	0.077	0.129	0.238	1.24	11.9	1.64	7
8	2.29 B	2.43	0.770B	1.13	0.317	0.486	0.976	0.127	0.178	0.952	6.84	1.54	8
9	1.97 B	12.1	1.32 B	1.01	0.294	0.288	20.2	0.128	0.152	8.69	4.68	1.56	9
10	1.67 B	11.4	2.35	1.26	0.276	0.320	9.36	0.113	0.150	15.1	3.68	2.32	10
11	1.58 B	5.03	3.90	2.49	0.301	0.172	3.10	0.119	0.141	11.7	3.04	2.59	11
12	1.06 B	2.87	8.30	2.01	0.267	0.170	1.10	0.110	0.122	7.57	2.49	2.16	12
13	0.990B	5.24	10.8	1.50	0.318	0.336	0.071	0.217	0.218	4.63	2.10	4.72	13
14	0.960B	2.58	7.80	1.42	0.291	0.077	0.388	0.250	0.151	3.26	1.87	3.13	14
15	0.940B	1.90 B	4.93	1.74	0.262	0.096	0.542	0.119	6.91	2.38	1.89	2.09	15
16	0.920B	1.54 B	3.35	1.70	0.387	0.155	0.451	0.174	3.96	1.78	1.86	1.97	16
17	3.94 B	1.27 B	2.67	1.88	2.93	0.129	0.352	0.149	1.42	4.08	1.74	2.02	17
18	20.0	1.14 B	2.07	1.77	4.85	0.121	0.300	0.184	1.01	7.15	1.50	4.33	18
19	16.8	1.00 B	1.61	1.42	2.03	0.109	0.286	0.563	1.30	9.22	1.38	5.77	19
20	8.24	0.930B	1.36	1.47	1.60	0.097	0.508	0.375	1.30	5.91	1.26	3.33	20
21	4.63	0.970B	1.24	2.71	1.85	0.117	0.490	0.312	0.411	3.31	1.13	2.46	21
22	2.99	4.12 B	1.60	2.29	1.44	0.126	0.397	0.254	0.097	2.37	2.40	3.72	22
23	2.10	13.8 B	6.38	1.68	1.09	0.283	0.313	0.231	1.35	1.91	4.25	3.98	23
24	2.39	6.77 B	3.66	1.33	0.877	0.590	0.278	0.200	2.37	1.59	2.92	2.79B	24
25	4.28	3.19 B	2.26	1.12	0.722	0.464	0.229	0.187	2.64	1.34	2.45	2.11B	25
26	8.17	2.25 B	1.76	0.957	0.613	0.297	0.202	0.154	1.54	1.14	2.07	1.80B	26
27	4.79	1.80 B	1.40	0.815	0.517	0.262	0.171	0.225	1.06	1.04	1.95	1.61B	27
28	7.99	1.42 B	1.23	0.714	0.454	0.196	0.135	4.98	0.811	1.08	5.71	1.55B	28
29	4.80		1.14	0.620	0.411	0.176	0.116	1.74	0.798	1.20	2.94	1.97	29
30	2.78		1.19	0.541	0.343	0.173	0.702	0.786	2.61	1.26	2.89	22.1	30
31	1.95		1.28		0.435		1.03	0.461		1.18		11.7	31
TOTAL	131.100	92.760	83.080	44.967	25.161	9.493	42.477	11.926	36.388	113.882	104.207	112.77	TOTAL
MEAN	4.23	3.31	2.68	1.50	0.812	0.316	1.37	0.385	1.21	3.67	3.47	3.64	MEAN
MAX	20.0	13.8	10.8	2.71	4.85	1.04	20.2	4.98	6.91	15.1	18.3	22.1	MAX
MIN	0.820	0.930	0.770	0.541	0.078	0.077	0.071	0.113	0.097	0.952	0.892	1.52	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.21
MAXIMUM DAILY, 22.1 ON DEC 30
MINIMUM DAILY, 0.071 ON JUL 13
MAXIMUM INSTANTANEOUS,
25.6 AT 10:24 EST ON JUL 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 21 43 N
LONG 081 30 37 W
DRAINAGE AREA, 113 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	11 300	JUL	3 670
FEB	8 010	AUG	1 030
MAR	7 180	SEP	3 140
APR	3 890	OCT	9 840
MAY	2 170	NOV	9 000
JUN	820	DEC	9 740

TOTAL DISCHARGE, 69 800 dam³

AUSABLE RIVER NEAR SPRINGBANK - STATION NO. 02FF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.80B	14.2	11.0 B	9.32E	4.07	2.19	1.67	17.4	5.39	8.60E	6.14	17.4	1
2	3.10B	13.0	10.0 B	10.0 E	3.78	1.98	1.52	8.57	5.34	12.0 E	5.78	13.1	2
3	3.50B	13.8	8.80B	16.6 E	3.36	2.22	1.33	5.00	2.20	17.4 A	5.37	10.3	3
4	6.60B	12.4	7.90B	18.8 E	3.31	2.44	1.20	3.11	1.70	13.2	4.99	16.4	4
5	13.5 B	11.2	7.00B	16.0 E	3.97	2.82	1.10	2.17	1.45	18.2	10.9	18.0	5
6	31.0 B	9.76	6.00B	13.5 E	4.68	3.83	0.984	1.77	1.91	17.7	86.0	14.9	6
7	32.0 B	9.03	5.46B	11.3 E	3.91	3.49	0.903	1.47	11.8	14.3	95.8	13.2	7
8	25.0 B	12.1	5.00B	9.24E	3.26	2.80	0.837	1.25	9.02	10.5	74.3	11.9	8
9	16.8 B	53.9	5.24B	8.07E	2.91	2.49	5.09	1.11 A	3.73	26.9	49.1	11.8	9
10	15.9 B	72.4	23.5	7.75E	2.91	2.18	29.2	1.01	2.61	97.3	32.2	15.2	10
11	16.5 B	54.2	31.3	19.1 E	2.90	1.92	42.4	0.923	2.42	113	24.6	18.1	11
12	16.0 B	30.9	52.7	17.5 E	2.91	1.59	33.1	0.810	2.07	95.7	19.2	17.6	12
13	13.0 B	19.3	64.8	14.3 A	3.56	1.47	16.2	0.945	1.84	70.8	15.7	17.9	13
14	11.7 B	16.1	58.7 A	11.5	4.89	1.48	8.29	1.28	2.27	45.0	13.2	20.9	14
15	10.9 B	14.0	41.9 E	12.1	3.87	1.83	5.39	1.43	35.7	26.7	11.6	15.8	15
16	11.9 B	12.1	29.2 E	12.8	4.31	1.57	3.94	1.44	62.8	18.7	11.0	13.4	16
17	25.0 B	10.9 B	19.9 E	12.3	17.4	1.44	3.45	1.20	39.9	14.8	10.2	11.6	17
18	100 B	8.60B	15.6 E	12.6	34.3	1.29	3.01	1.11	24.4	18.6	9.12	13.8	18
19	138 B	7.50B	12.2 E	11.4	24.0	1.14	2.93	2.64	19.5	19.0	8.54	26.6	19
20	100 B	6.90B	9.94E	10.1	19.8	1.09	6.35	11.4	10.7 A	47.7	7.37	26.0	20
21	80.0 B	6.70B	8.17E	16.2	19.8	1.13	13.5	11.5	8.05	40.1	6.59	20.6	21
22	55.5	24.4	7.23E	19.2	15.7	1.01	8.60	7.60	7.34A	26.7	7.17	21.5	22
23	52.5	127	15.3 E	16.2	12.4	1.23	6.26	4.77	6.15E	18.6	15.4	23.8	23
24	32.5	79.6	23.4 E	12.8	9.70	2.71A	4.86	3.09	5.18E	14.2	17.8	21.0A	24
25	24.8	39.3	19.1 E	10.0	7.63	2.43E	3.54	2.24	4.55E	11.4	17.2	16.0E	25
26	49.0	24.6 B	14.1 E	8.16	6.20	2.18E	2.66	1.76	3.90E	9.27	14.6	14.0E	26
27	42.8	18.5 B	10.3 E	6.85	5.33	1.90E	2.25	1.46	4.00E	7.84	12.4	12.5E	27
28	46.3	14.2 B	8.21E	5.85	4.52	1.81A	1.73	3.85	4.05E	6.84	14.8	11.0E	28
29	44.5		6.11E	5.16	3.82	1.90	1.43	14.3	3.50E	6.31	23.6	37.0E	29
30	29.5		8.01E	4.57	3.09A	1.96	2.76	14.7	5.60E	6.44	22.3	109 E	30
31	19.8		9.06E		2.60A		20.8	8.91		6.42		60.0E	31
TOTAL	1 048.60	736.59	559.13	360.17	244.99	59.60	237.284	140.218	289.07	880.22	652.64	670.3	TOTAL
MEAN	33.8	26.3	18.0	12.0	7.90	1.99	7.65	4.52	9.64	28.4	21.8	21.6	MEAN
MAX	138	127	64.8	19.3	34.3	3.83	42.4	17.4	62.8	113	95.8	109	MAX
MIN	2.80	6.70	5.00	4.57	2.60	1.01	0.837	0.810	1.45	6.31	4.99	10.3	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 16.1
MAXIMUM DAILY, 138B ON JAN 19
MINIMUM DAILY, 0.810 ON AUG 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 04 20 N
LONG 081 39 35 W
DRAINAGE AREA, 865 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	90 600	JUL	20 500
FEB	63 600	AUG	12 100
MAR	48 300	SEP	25 000
APR	31 100	OCT	76 100
MAY	21 200	NOV	56 400
JUN	5 150	DEC	57 900

TOTAL DISCHARGE, 508 000 dam³

AUX SABLES RIVER AT MASSEY - STATION NO. 02CE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.91B	5.40B	4.75	23.0B	44.0	23.4	37.3	14.4 E	4.96	4.11	12.7	40.0E	1
2	3.91B	5.37B	4.78B	23.2B	40.4	21.9	39.0	13.8 E	4.84	4.48	11.8	36.0E	2
3	3.90B	5.34B	4.79B	23.3B	37.2	21.2	37.1	13.2 E	4.71	4.58	12.1	34.0B	3
4	3.90B	5.32B	4.64B	22.1B	34.4	21.5	34.7	12.7 E	4.73	5.40	14.5	31.5B	4
5	3.90B	5.32B	4.56B	21.2B	31.7	21.0	33.8A	12.3 E	4.74	7.77	15.3	29.0B	5
6	3.91B	5.34B	4.42B	21.6B	28.8	19.9	32.0E	11.8 E	4.73	8.40	16.0	27.4B	6
7	3.91B	5.38B	4.36	21.9B	27.2	19.0	30.0E	11.3 E	4.70	7.85	16.1	25.4B	7
8	3.92B	5.40B	4.29	22.0B	26.9	18.2	30.8E	10.7 E	4.58	7.22	15.6	23.5B	8
9	3.92B	5.41B	4.33	22.2B	28.4	18.4	33.2E	10.3 E	4.46	6.35	15.1	22.4B	9
10	3.93B	5.41B	4.47	22.8B	31.1	19.5	31.3E	9.70E	4.39	6.01	16.0	21.0B	10
11	3.95B	5.41B	4.65	23.6B	36.4	19.6	29.3E	9.20E	4.30	7.47	16.4	19.8B	11
12	3.97B	5.40B	4.99	23.0B	37.6	18.4	27.8E	8.80E	4.36	9.46	14.7	18.8B	12
13	3.98B	5.40	5.71	22.7	36.4	18.5	26.0E	8.90E	4.45	9.28	14.5	17.8B	13
14	3.99B	5.43	7.26	22.3	34.5	18.3	24.6E	8.60E	4.70	8.68	14.6	17.0B	14
15	4.00B	5.41	10.1	22.1	33.2	15.2	23.4E	8.00E	4.90	9.58	15.6	16.5B	15
16	4.01B	5.31	19.2	22.2	33.7	13.5	21.8E	7.50E	4.79	11.9	15.8	15.8B	16
17	4.05B	5.29	37.1	22.3	34.0	16.0	20.3	7.01E	4.62	12.5	18.7	15.3B	17
18	4.12B	5.26	46.7	22.1	79.4	18.0	19.6	6.70E	4.43	11.4	19.3	15.0B	18
19	4.40B	5.20	46.5	22.4	89.5	18.8	19.0	6.40E	4.25	19.2 E	19.5	14.8B	19
20	4.73B	5.18	43.2 B	23.6	82.3	18.8	18.2A	6.10E	4.28	20.5 E	18.9	14.5B	20
21	4.63B	5.07B	42.0 B	26.1	71.9	20.6	17.9E	5.90E	4.29	20.7	18.9A	14.5B	21
22	4.58B	5.00B	40.8 B	29.6	63.0	22.3	17.6E	5.76A	5.01	20.1	19.9E	14.8B	22
23	4.54B	5.00B	38.6 B	31.9	56.2	25.4	17.1E	5.66	5.16	18.9	21.9E	15.0B	23
24	4.52B	5.00B	38.2	32.4	52.4	25.5	16.6E	5.58	4.92	18.0	24.8E	15.0B	24
25	4.56B	4.92B	35.6	45.6	48.4	46.0	16.2E	5.52	4.73	16.7	26.5E	14.8B	25
26	4.60B	4.94	33.0	49.7	44.3	37.6	15.8E	5.40	4.63	15.2	26.0E	14.4B	26
27	4.76B	4.86	29.9	52.0	41.2	34.4	15.3E	5.39	4.51	14.0	30.0E	14.1B	27
28	5.00B	4.80	27.9	53.2	38.0	31.7	14.7E	5.42	4.39	13.4	34.8E	13.8B	28
29	5.18B		25.2 B	51.3	35.3	29.5	15.1E	5.30	4.23	13.3	38.0E	13.6B	29
30	5.30B		24.0 B	48.0	32.3	30.7	16.1E	5.19	4.08	13.3	43.0E	13.3B	30
31	5.40B		23.9		26.6		15.2E	5.07		13.8		13.2B	31
TOTAL	133.38	146.73	629.80	878.2	1 356.4	717.8	747.0	257.60	137.97	364.51	598.8	612.0	TOTAL
MEAN	4.30	5.24	20.3	29.3	43.8	23.9	24.1	8.31	4.60	11.8	20.0	19.7	MEAN
MAX	5.40	5.43	46.7	53.2	89.5	46.0	39.0	14.4	5.16	20.7	43.0	40.0	MAX
MIN	3.90	4.80	4.29	21.2	26.6	13.5	14.7	5.07	4.08	4.11	11.8	13.2	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.0
MAXIMUM DAILY, 89.2 ON MAY 19
MINIMUM DAILY, 3.90B ON JAN 03
MAXIMUM INSTANTANEOUS,
90.1 AT 08:50 EST ON MAY 19

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 12 54 N
LONG 082 04 14 W
DRAINAGE AREA, 1 350 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	11 500	JUL	64 500
FEB	12 700	AUG	22 300
MAR	54 400	SEP	11 900
APR	75 900	OCT	31 500
MAY	117 000	NOV	51 700
JUN	62 000	DEC	52 900

TOTAL DISCHARGE, 568 000 dam³

AVON RIVER BELOW STRATFORD - STATION NO. 02GD018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	0.600B	2.47	1.55 B	2.13	1.16	0.937	0.395	1.56	0.462	1.89	0.984	2.33	1
2	1.02 B	3.92	1.05 B	2.44	1.52	0.296	0.359	0.924	0.405	1.43	1.11	1.86	2
3	1.70 B	2.50B	2.30 B	3.26	0.358	0.836	0.379	0.707	0.331	1.09	1.08	1.81	3
4	4.20 B	2.00B	1.48 B	3.01	0.362	1.15	0.394	0.573	0.401	2.03	0.865	3.37	4
5	7.30	1.75B	1.18 B	2.38	0.926	0.835	0.406	0.670	0.567	1.91	9.35	2.90	5
6	5.44	1.65B	1.04 B	1.91	0.850	0.817	0.374	0.459	0.659	1.35	27.0	2.44	6
7	4.05 B	1.57	0.930B	1.60	0.788	0.798	0.328	0.434	0.786	1.03	9.28	2.08	7
8	3.00 B	3.02	1.00	1.36	0.715	0.772	0.568	0.420	0.488	1.15	5.44	1.86	8
9	2.25 B	13.9	1.92	1.26	0.722	0.677	12.8	0.401	0.421	11.0	4.40	1.92	9
10	1.78 B	10.5	4.41	2.11	0.862	0.542	2.85	0.425	0.423	11.4	3.98	2.98	10
11	1.70 B	4.96	8.26	4.35	0.808	0.449	1.26	0.364	0.415	10.6	3.28	2.98	11
12	1.30 B	3.15B	12.3	2.76	0.682	0.399	0.809	0.641	0.392	7.76	3.93	2.44	12
13	1.20 B	2.84	15.3	1.93	1.46	0.349	0.601	1.70	0.388	8.45	3.99	5.29	13
14	1.19 B	3.53	11.5	1.92	0.970	0.596	0.990	0.879	2.31	4.66	1.67	3.44	14
15	1.17 B	2.23	8.14	2.70	0.821	0.436	1.05	0.658	5.54	3.34	2.29	2.34	15
16	1.15 B	1.80B	6.33	2.37	1.95	0.335	0.735	0.554	2.57	2.46	2.42	2.00	16
17	5.00 B	1.52B	5.63	2.46	4.91	0.488	0.635	0.494	1.47	9.16	2.99	1.76	17
18	16.9	1.39B	3.88	1.88	4.73	0.205	0.604	0.484	1.08	12.1	2.59	4.37	18
19	9.68	1.28B	2.93	1.60	2.88	0.149	0.592	2.93	1.03	7.27	1.92	5.36	19
20	6.14	1.22B	2.42	1.80	3.80	0.267	1.79	1.68	0.900	4.50	1.46	3.31	20
21	4.25	1.17B	2.12	2.90	4.51	0.602	1.05	1.07	0.777	3.26	1.35	2.85	21
22	3.18	5.91	3.35	2.77	2.70	0.455	1.19	0.812	0.871	2.74	3.71	5.49	22
23	2.55 B	16.3	9.82	1.79	1.91	2.58	1.65	0.687	0.922	2.15	4.53	6.06	23
24	3.03	7.58	4.89	1.49	1.44	2.02	1.02	0.582	0.840	1.83	3.91	3.65B	24
25	4.54	4.05B	2.95	1.36	1.22	1.07	0.728	0.494	0.829	1.59	3.23	2.70B	25
26	6.39	2.70B	1.96	1.17	1.03	0.762	0.588	0.419	0.799	1.40	2.63	2.15B	26
27	4.42	2.10B	0.820	1.03	0.884	0.650	0.457	0.488	0.670	1.26	3.10	1.87B	27
28	6.92	1.85B	0.696	0.891	0.823	0.517	0.389	3.03	0.632	1.29	5.50	1.80B	28
29	4.42		0.972	0.797	0.754	0.617	0.341	1.12	0.611	1.15	3.46	19.0 B	29
30	3.05 B		1.96	0.786	0.684	0.485	3.14	0.775	2.19	1.10	3.03	36.6	30
31	2.28		2.22		0.630		4.08	0.575		1.05		11.5	31
TOTAL	121.800	108.86	126.078	59.614	47.859	21.091	42.552	27.009	30.179	123.40	124.479	150.51	TOT
MEAN	3.93	3.89	4.07	1.99	1.54	0.703	1.37	0.871	1.01	3.98	4.15	4.86	MEA
MAX	16.9	16.3	15.3	4.35	4.91	2.58	12.8	3.03	5.54	12.1	27.0	36.6	MAX
MIN	0.600	1.17	0.696	0.786	0.358	0.149	0.328	0.364	0.331	1.03	0.865	1.76	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.69
MAXIMUM DAILY, 36.6 ON DEC 30
MINIMUM DAILY, 0.149 ON JUN 19
MAXIMUM INSTANTANEOUS,
48.4 AT 02:37 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 20 42 N
LONG 081 06 58 W
DRAINAGE AREA, 144 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	10 500	JUL	3 680
FEB	9 410	AUG	2 330
MAR	10 900	SEP	2 610
APR	5 150	OCT	10 700
MAY	4 140	NOV	10 800
JUN	1 820	DEC	13 000

TOTAL DISCHARGE, 85 000 dam³

BASSWOOD RIVER NEAR WINTON - STATION NO. 05PA012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.4	9.94	10.9	20.4	65.7	86.9	102	49.3	13.7	6.51	16.8	18.8	1
2	11.3	9.91	10.9	21.9	77.3	86.7	104	47.6	13.5	6.48	17.3	18.6	2
3	11.0	9.91	11.1	22.8	91.7	84.7	105	46.2	13.0	7.42	17.9	18.4	3
4	11.0	9.83	11.2	23.4	107	81.8	104	44.7	12.3	7.65	18.5	18.2	4
5	11.1	9.66	11.3	24.1	123	79.9	103	43.0	11.9	7.65	19.1	18.0	5
6	11.2	9.57	11.4	24.6	137	77.9	100	41.6	11.5	7.67	19.4	17.8	6
7	11.1	9.43	11.5	25.2	150	77.3	97.7	40.2	11.1	7.73	19.9	17.6	7
8	10.9	9.37	11.6	25.6	160	77.0	97.7	38.8	10.5	7.79	20.5	17.5	8
9	10.8	9.37	11.7	26.8	168	76.5	96.3	37.4	10.1	7.76	20.6	17.4	9
10	10.8	9.40	11.8	27.5	172	75.9	96.0	36.2	9.60	7.67	20.8	17.2	10
11	10.8	9.40	12.0	27.8	175	75.0	96.8	34.5	9.34	7.53	21.0	17.2	11
12	11.0	9.43	13.2	28.2	174	73.3	97.4	33.1	9.49	7.48	21.3	17.6	12
13	11.1	9.37	13.8	28.6	172	70.5	97.4	31.4	9.23	7.45	21.8	17.9	13
14	11.0	9.43	14.3	28.9	169	67.7	97.1	29.4	9.09	7.28	22.0	18.2	14
15	10.8	9.43	15.5	29.2	167	64.8	95.4	28.3	9.09	7.16	22.1	18.4	15
16	10.8	9.68	16.6	29.4	164	62.3	93.7	27.1	8.98	7.08	22.5	18.5	16
17	10.8	9.80	16.9	29.4	160	62.6	92.6	26.4	8.69	7.70	22.7	18.4	17
18	10.7	9.85	17.2	29.2	157	63.1	90.0	25.5	8.33	8.52	22.3	18.2	18
19	10.6	9.88	17.4	28.6	153	64.6	87.2	23.9	8.04	8.78	21.9	18.2	19
20	10.6	9.94	17.7	28.2	148	70.2	84.1	22.1	7.93	9.09	21.9	19.1	20
21	10.5	9.88	17.8	27.9	144	75.3	81.0	20.9	7.82	9.60	21.9	19.4	21
22	10.4	9.91	18.0	27.6	138	80.1	77.3	20.0	7.67	10.3	21.3	19.9	22
23	10.3	10.0	18.0	31.1	132	84.4	73.9	19.4	7.39	10.7	20.5	19.8	23
24	10.3	10.1	18.1	32.6	125	87.5	70.2	18.9	7.22	11.3	20.2	19.5	24
25	10.2	10.2	17.9	34.0	119	89.8	66.8	18.4	7.02	11.9	19.8	19.3	25
26	10.2	10.4	17.9	35.7	114	92.6	64.0	17.7	6.91	12.5	19.8	19.3	26
27	10.2	10.5	17.9	38.8	108	94.0	61.2	16.8	6.68	12.8	19.7	19.1	27
28	10.2	10.7	17.9	44.7	103	95.4	58.3	15.7	6.57	13.7	19.6	18.9	28
29	10.0		17.9	51.8	98.5	97.7	56.1	15.1	6.63	14.4	19.6	18.7	29
30	9.77		18.3	58.6	94.3	101	53.5	14.7	6.71	15.1	19.3	18.7	30
31	9.85		19.0		90.6		51.3	14.4		15.9		18.6	31
TOTAL	330.72	274.29	466.8	912.6	4 157.1	2 376.5	2 651.0	898.7	276.03	290.60	612.0	572.4	TOTA
MEAN	10.7	9.80	15.1	30.4	134	79.2	85.5	29.0	9.20	9.37	20.4	18.5	MEAN
MAX	11.4	10.7	19.0	58.6	175	101	105	49.3	13.7	15.9	22.7	19.9	MAX
MIN	9.77	9.37	10.9	20.4	65.7	62.3	51.3	14.4	6.57	6.48	16.8	17.2	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 37.8
MAXIMUM DAILY, 175 ON MAY 11
MINIMUM DAILY, 6.48 ON OCT 02
MAXIMUM INSTANTANEOUS,
176 AT 15:00 CST ON MAY 11

SUMMARY FOR THE YEAR 1990

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 04 55 N
LONG 091 39 10 W
DRAINAGE AREA, 4 510 km²

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	28 600	JUL	229 000
FEB	23 700	AUG	77 600
MAR	40 300	SEP	23 800
APR	78 800	OCT	25 100
MAY	359 000	NOV	52 900
JUN	205 000	DEC	49 500

TOTAL DISCHARGE, 1 190 000 dam³

BATCHAWANA RIVER NEAR BATCHAWANA - STATION NO. 02BF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.64B	6.05B	4.20B	25.0B	83.7	18.1	26.0	8.81	2.75	5.53	21.9	45.7	1
2	6.62B	5.90B	4.10B	24.6B	65.6	18.8	26.6	7.46	2.61	5.60	20.4	39.6	2
3	6.60B	5.76B	4.03B	24.5B	52.6	18.3	23.4	6.55	2.42	5.70	19.1	30.7 B	3
4	6.58B	5.63B	4.00B	24.5B	43.9	19.9	19.8	6.04	2.49	10.8	18.1	26.0 B	4
5	6.55B	5.58B	3.95B	24.6B	37.6	20.4	16.8	5.53	2.57	13.5	17.0	23.0 B	5
6	6.53B	5.52B	3.92B	24.0B	32.7	20.4	14.9	5.20	2.51	13.7	15.8	21.4 B	6
7	6.50B	5.45B	3.91B	23.1B	29.6	18.4	13.3	5.00	2.40	12.5	15.0	19.6 B	7
8	6.48B	5.38B	3.90B	22.4B	27.7	16.6	14.6	4.90	2.27	11.4	14.3	18.2 B	8
9	6.44B	5.36B	3.90B	22.1B	51.1	15.6	20.4	4.93	2.31	10.0	13.9	17.0 B	9
10	6.41B	5.30B	3.90B	22.0B	96.6	14.7	24.1	5.61	2.24	9.08	14.1	16.2 B	10
11	6.41B	5.24B	4.00B	21.8B	139	13.7	21.7	5.40	2.12	8.82	14.0	15.3 B	11
12	6.42B	5.22B	5.00B	21.3B	134	12.9	18.1	5.27	3.03	8.76	13.5	14.5 B	12
13	6.42B	5.20B	6.60B	20.9B	103	22.8	14.9	5.12	4.82	8.69	13.0	13.8 B	13
14	6.41B	5.19B	10.1 B	21.3B	77.1	32.1	13.1	4.75	5.83	9.77	14.4	13.2 B	14
15	6.40B	5.06B	21.5 B	23.6B	60.3	30.4	11.7	4.45	6.44	13.7	13.7	12.8 B	15
16	6.38B	5.03B	40.0 B	25.9B	54.1	26.1	10.7	4.24	6.09	17.1	15.2	12.2 B	16
17	6.28B	5.01B	84.0 B	26.6B	75.5	26.4	10.4	4.03	5.56	24.5	19.8	11.8 B	17
18	6.22B	4.98B	88.0 B	26.9B	105	31.9	10.1	3.87	4.94	85.8	21.8	11.4 B	18
19	6.22B	4.97B	89.0 B	28.4	108	35.6	9.98	3.66	4.68	109	21.7	11.2 B	19
20	6.22B	4.95B	89.0 B	31.6	94.1	33.8	9.82	3.46	4.62	92.6	20.6	10.8 B	20
21	6.27B	4.84B	87.0 B	52.2	76.2	29.8	9.36	3.30	5.27	93.1	27.1	10.5 B	21
22	6.34B	4.80B	83.0 B	86.8	60.9	26.1	8.66	3.11	8.42	92.3	51.9	10.6 B	22
23	6.40B	4.75B	77.0 B	125	49.7	23.0	7.94	2.96	11.0	79.3	52.9	10.8 B	23
24	6.50B	4.65B	71.0 B	167	42.3	20.2	7.35	2.89	11.1	63.8	53.5	10.7 B	24
25	6.52B	4.60B	64.0 B	216	37.4	17.4	6.80	2.91	10.1	50.6	48.6	10.0 B	25
26	6.56B	4.53B	56.0 B	234	33.7	15.6	6.37	3.01	8.85	41.3	40.7	9.30B	26
27	6.57B	4.41B	47.0 B	221	30.6	14.7	5.96	2.91	7.69	35.0 E	38.2	9.20B	27
28	6.41B	4.35B	37.5 B	185	27.6	13.8	5.64	2.94	6.70	31.0 E	46.6	9.00B	28
29	6.38B		32.0 B	143	24.6	20.0	6.13	3.06	6.02	27.7 E	53.8	8.90B	29
30	6.30B		30.0 B	108	22.1	22.9	8.48	3.00	5.54	25.5 A	50.7	8.70B	30
31	6.20B		26.5 B		19.8		9.37	2.91		23.6		8.60B	31
TOTAL	199.18	143.71	1 088.01	2 023.1	1 906.1	650.7	412.46	137.28	153.39	1 039.75	801.3	490.70	TOTAL
MEAN	6.43	5.13	35.1	67.4	61.5	21.7	13.3	4.43	5.11	33.5	26.7	15.8	MEAN
MAX	6.64	6.05	89.0	234	139	35.6	26.6	8.81	11.1	109	53.8	45.7	MAX
MIN	6.20	4.35	3.90	20.9	19.8	12.9	5.64	2.89	2.12	5.53	13.0	8.60	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 24.8
MAXIMUM DAILY, 234 ON APR 26
MINIMUM DAILY, 2.12 ON SEP 11
MAXIMUM INSTANTANEOUS,
241 AT 18:54 EST ON APR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 59 36 N
LONG 084 31 31 W
DRAINAGE AREA, 1 190 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	17 200	JUL	35 600
FEB	12 400	AUG	11 900
MAR	94 000	SEP	13 300
APR	175 000	OCT	89 800
MAY	165 000	NOV	69 200
JUN	56 200	DEC	42 400

TOTAL DISCHARGE, 782 000 dam³

BAY LAKE AT LATCHFORD - STATION NO. 02JD013

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	6.729	6.918	7.110	7.152	6.954	7.184	6.780	6.858	1
2	---	---	---	6.534A	6.657	6.975	7.119	7.148	6.941	7.170	6.749	6.898	2
3	---	---	---	6.522	6.587	6.983	7.087	7.141	6.914	7.099	6.713	6.903	3
4	---	---	---	6.511	6.528	6.968	7.074	7.142	6.899	7.074	6.685	6.905	4
5	---	---	---	6.506	6.463	6.947	7.049	7.147	6.902	7.059	6.659	6.891	5
6	---	---	---	6.494	6.504	6.988	7.030	7.131	6.893	7.051	6.658	6.877	6
7	---	---	---	6.486	6.700	6.998	7.014	7.125	6.899	7.044	6.625	6.863	7
8	---	---	---	6.480	6.784	6.987	7.002	7.114	6.890	7.034	6.603	6.851	8
9	---	---	---	6.478	6.809	7.000	7.003	7.107	6.895	7.029	6.583	6.837	9
10	---	---	---	6.481	6.791	6.981	6.993	7.107	6.903	7.023	6.574	6.825	10
11	---	---	---	6.479	6.756	6.955	6.976	7.097	6.895	7.035	6.560	6.800	11
12	---	---	---	6.470	6.729	7.003	6.966	7.084	6.892	7.044	6.547	6.780	12
13	---	---	---	6.461	6.776	7.026	6.957	7.074	6.888	7.055	6.520	6.775	13
14	---	---	---	6.455	6.818	7.031	6.984	7.057	6.906	7.064	6.475	6.789	14
15	---	---	---	6.456	6.976	7.019	6.991	7.058	6.951	7.088	6.451	6.778	15
16	---	---	---	6.465	7.037	7.002	6.982	7.043	6.969	7.098	6.458	6.757	16
17	---	---	---	6.491	7.086	6.995	6.978	7.034	6.986	7.121	6.465	6.731	17
18	---	---	---	6.493	7.141	6.995	6.974	7.041	6.990	7.152	6.450A	6.741	18
19	---	---	---	6.493	7.155	6.931	6.951	7.030	7.001	7.157	6.447A	6.815	19
20	---	---	---	6.512	7.202	6.847	6.933	7.017	7.008	7.139	6.447A	6.847	20
21	---	---	---	6.564	7.211	6.932	6.906	7.010	6.995	7.174	6.437A	6.856	21
22	---	---	---	6.633	7.225	6.999	6.876	7.002	7.006	7.179A	6.427A	6.863	22
23	---	---	---	6.722	7.173	7.083	6.870	6.994	7.028	7.120A	6.433A	6.861	23
24	---	---	---	6.710	7.142	7.123	6.922	6.986	7.024	7.089A	6.492A	6.851	24
25	---	---	---	6.668	7.152	7.144	6.954	6.981	7.038	7.091A	6.576A	6.840	25
26	---	---	---	6.708	7.174	7.188	7.031	6.976	7.068	7.126A	6.672A	6.832	26
27	---	---	---	6.794	7.135	7.189	7.074	6.992	7.090	7.030A	6.655A	6.815	27
28	---	---	---	6.752	7.102	7.109	7.098	6.987	7.127	6.972A	6.693	6.803	28
29	---		---	6.769	7.044	7.085	7.110	6.994	7.143	6.876A	6.744	6.792	29
30	---		---	6.764	6.985	7.087	7.146	6.987	7.174	6.838	6.797	6.783	30
31	---		---		6.958		7.153	6.973		6.808		6.767	31
MEAN	---	---	---	---	6.920	7.016	7.010	7.056	6.976	7.065	6.579	6.825	MEAN
MAX	---	---	---	---	7.225	7.189	7.153	7.152	7.174	7.184	6.797	6.905	MAX
MIN	---	---	---	---	6.463	6.847	6.870	6.973	6.888	6.808	6.427	6.731	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

A - MANUAL GAUGE

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 19 18 N
LONG 079 48 40 W

MAXIMUM INSTANTANEOUS,
7.236 AT 13:13 EST ON MAY 22

REMARKS - STATION ACTIVATED 1989

BAYFIELD RIVER NEAR VARNA - STATION NO. 02FF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.50B	5.90	3.60B	3.78	1.47	0.875	0.706	1.47	0.416	3.62	3.08	10.3	1
2	5.60B	8.41	3.30B	4.30	1.26	0.781	0.561	1.05	0.338	3.17	2.85	7.20	2
3	5.80B	7.38B	4.00B	6.93	1.10	0.886	0.447	0.774	0.277	2.68	2.54	6.12	3
4	12.0 B	5.74B	3.30B	8.11	1.04	1.18	0.362	0.613	0.240	11.5	2.36	9.88	4
5	23.5 B	4.50B	2.70B	6.17	1.52	1.13	0.355	0.584	0.226	14.6	15.4	9.51	5
6	25.9	3.89	2.30B	4.62	1.33	1.03	0.272	0.501	0.337	8.15	60.7	8.78	6
7	19.3	3.90	2.00B	3.68	1.14	0.868	0.238	0.419	0.556	4.79	50.1	7.24	7
8	11.5	6.80	1.85B	3.10	0.983	0.771	4.16	0.363	0.420	3.40	26.2	6.49	8
9	7.64	37.8	4.11B	2.83	0.874	0.749	51.4	0.309	0.362	12.3	17.6	6.88	9
10	6.31B	40.1	10.3	3.82	0.836	0.656	31.1	0.262	0.314	52.9	13.8	11.8	10
11	5.70B	18.8	18.2	8.91	0.843	0.561	9.41	0.231	0.285	49.8	11.0	11.9	11
12	4.10B	9.79	42.1	7.51	0.773	0.478	4.08	0.235	0.254	32.7	8.82	10.1	12
13	3.60B	7.24	46.9	5.09	0.856	0.447	2.46	0.285	0.242	21.0	7.04	21.4	13
14	3.20B	7.49	32.0	4.44	0.834	3.02	1.87	0.273	0.407	14.1	5.72	17.6	14
15	2.90B	5.66	20.2	5.01	0.726	2.04	1.73	0.220	7.88	10.6	5.67	9.98	15
16	4.00B	4.97	13.8	5.25	0.834	1.02	1.43	0.221	6.23	7.83	5.86	8.90	16
17	21.0	4.05B	10.9	6.14	10.5	0.771	1.12	0.217	3.42	18.8	5.20	7.96	17
18	80.5 B	3.65B	8.00	6.14	20.3	0.604	1.48	0.195	2.18	38.9	4.35	14.6	18
19	72.0	3.30B	5.62	4.88	9.47	0.495	3.56	0.292	1.69	46.5	3.95	20.4	19
20	41.7	3.00B	4.39	4.71	10.1	0.427	5.31	0.435	1.47	30.8	3.50	13.6	20
21	22.8	2.80B	3.76	8.40	12.2	0.409	3.94	0.348	1.22	16.6	3.19	9.66	21
22	13.3	4.98	4.26	8.05	7.30	0.409	2.44	0.299	1.14	10.4	10.5	14.0	22
23	8.49	20.4	19.6	5.94	4.77	0.641	1.87	0.260	2.76	7.38	17.8	16.5	23
24	8.92	16.4	15.8	4.63	3.46	0.782	1.38	0.231	12.0	5.70	16.1	12.7 B	24
25	15.0	8.05B	8.59	3.66	2.70	0.655	1.03	0.220	6.18	4.52	13.0	9.40B	25
26	29.6	6.00B	5.87	3.03	2.24	0.608	0.808	0.205	3.81	3.75	10.0	8.04B	26
27	50.3	5.20B	4.33	2.57	1.95	0.611	0.645	0.232	2.62	3.19	21.8	7.56B	27
28	29.7	4.25B	3.60	2.17	1.64	0.527	0.561	2.76	2.06	3.16	43.3	7.09B	28
29	21.0		3.21	1.92	1.38	1.12	0.484	1.54	1.66	3.61	29.9	40.0 B	29
30	11.6		3.37	1.66	1.17	1.01	0.936	0.859	3.20	3.71	16.3	92.8	30
31	7.20		3.53		0.985		2.05	0.577		3.35		52.7	31
TOTAL	546.66	260.45	315.49	147.45	106.584	25.561	138.197	16.480	64.194	473.51	437.63	491.09	TOTAL
MEAN	17.6	9.30	10.2	4.92	3.44	0.852	4.46	0.532	2.14	15.3	14.6	15.8	MEAN
MAX	80.5	40.1	46.9	8.91	20.3	3.02	51.4	2.76	12.0	52.9	60.7	92.8	MAX
MIN	2.50	2.80	1.85	1.66	0.726	0.409	0.238	0.195	0.226	2.68	2.36	6.12	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.28
MAXIMUM DAILY, 92.8 ON DEC 30
MINIMUM DAILY, 0.195 ON AUG 18
MAXIMUM INSTANTANEOUS,
102 AT 13:19 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 33 03 N
LONG 081 35 22 W
DRAINAGE AREA, 466 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	47 200	JUL	11 900
FEB	22 500	AUG	1 420
MAR	27 300	SEP	5 550
APR	12 700	OCT	40 900
MAY	9 210	NOV	37 800
JUN	2 210	DEC	42 400

TOTAL DISCHARGE, 261 000 dam³

BEAR BROOK NEAR BOURGET - STATION NO. 02LB008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.945B	4.27B	2.78B	10.1	3.35	0.944	0.386	0.499	0.795	11.2	3.41	7.19	1
2	0.955B	3.90B	2.49B	12.7	2.83	0.889	0.386	0.468	0.583	9.53	2.87	5.34	2
3	0.970B	3.60B	2.19B	18.7	2.38	0.853	0.351	0.373	0.459	6.77	2.67	5.58B	3
4	1.01 B	3.38B	1.97B	54.4	2.11	0.828	0.310	0.309	0.376	4.61	2.35	5.38B	4
5	2.30 B	3.20B	1.80B	62.0	2.04	1.19	0.325	0.340	0.345	5.82	2.31	7.71B	5
6	3.10 B	3.00B	1.67B	43.8	2.09	0.827	0.323	1.65	0.337	4.80	7.83	7.69B	6
7	2.15 B	2.88B	1.55B	27.2	1.97	0.730	0.285	1.54	0.343	3.12	14.8	6.40B	7
8	1.58 B	2.68B	1.49B	15.2	1.89	0.629	0.272	1.06	0.325	2.13	11.1	5.20B	8
9	1.45 B	4.12B	1.40B	10.2	1.90	0.624	0.289	0.808	0.305	2.63	7.13	4.27B	9
10	1.40 B	8.10B	1.36B	12.3	2.08	0.690	0.279	0.706	0.334	8.91	5.54	4.08B	10
11	1.34 B	12.5 B	1.41B	19.8	3.79	0.858	0.247	0.673	0.535	9.87	7.42	3.88B	11
12	1.30 B	8.00B	4.20B	22.1	3.62	0.677	0.225	0.542	0.698	12.4	7.00	3.30B	12
13	1.25 B	6.25B	14.5 B	18.1	2.60	0.579	0.219	0.573	0.597	14.9	5.33B	3.01B	13
14	1.20 B	5.41B	30.0 B	15.4	2.17	0.496	0.214	1.07	0.574	20.8	4.71B	2.50B	14
15	1.17 B	5.60B	38.0 B	21.6	1.93	0.500	0.207	0.910	0.710	15.3	4.00	2.23B	15
16	1.15 B	4.80B	58.6 B	19.8	1.87	0.496	0.299	0.725	0.522	10.5	3.71	2.12B	16
17	1.18 B	4.05B	80.2 B	15.2	3.47	0.422	0.462	0.669	0.393	6.42	8.32	1.91B	17
18	3.70 B	3.62B	86.6 B	12.0	11.6	0.392	0.467	0.610	0.391	6.04	9.37	2.10B	18
19	10.3 B	3.17B	70.8 B	8.90	9.53	0.405	0.552	1.65	0.428	11.6	5.93	3.62B	19
20	10.5 B	2.80B	61.3 B	7.78	6.38	0.393	1.85	1.50	0.628	10.6	4.36	4.10B	20
21	8.50 B	2.57B	49.2	12.6	9.33	0.419	2.98	1.33	0.405E	6.99	3.59	3.28B	21
22	5.30 B	2.62B	34.8	12.4	8.82	0.527	2.36	0.882	0.330E	5.06	3.47	3.61B	22
23	4.63 B	5.40B	32.2	9.36	5.50	0.476	2.52	0.677	0.365E	4.09	9.85	23.2 B	23
24	4.00 B	9.10B	23.5	7.42	4.17	0.494	2.86	0.535	0.407A	3.53	12.6	42.7 B	24
25	3.65 B	10.0 B	15.1	6.65	2.95	0.502	2.19	0.466	0.540E	3.10	10.1	28.2 B	25
26	7.40 B	7.10B	11.0	6.89	2.26	0.483	1.60	0.394	0.560E	2.86	8.30	24.1 B	26
27	12.0 B	5.60B	8.22	6.52	1.93	0.418	1.08	0.314	0.390E	2.74	7.52	19.2 B	27
28	11.0 B	4.20B	7.06	5.53	1.74	0.389	0.830	0.307	0.350E	2.71	17.5	14.2 B	28
29	7.60 B		6.54	4.33	1.57	0.362	0.614	0.329	0.480E	4.26	16.3	11.9 B	29
30	6.00 B		6.09	3.64	1.38	0.379	0.503	0.771	2.87 A	5.29	10.9	34.3 B	30
31	5.00 B		5.96		1.09		0.442	1.09		4.46		42.9 B	31
TOTAL	124.030	141.92	663.98	502.62	110.34	17.871	25.827	23.760	16.365	223.04	220.29	333.20	TOTAL
MEAN	4.00	5.07	21.4	16.8	3.56	0.596	0.833	0.767	0.546	7.19	7.34	10.7	MEAN
MAX	12.0	12.5	86.6	62.0	11.6	1.19	2.98	1.65	2.87	20.8	17.5	42.9	MAX
MIN	0.945	2.57	1.36	3.64	1.09	0.362	0.207	0.307	0.305	2.13	2.31	1.91	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.58
MAXIMUM DAILY, 86.6B ON MAR 18
MINIMUM DAILY, 0.207 ON JUL 15

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 25 35 N
LONG 075 09 12 W
DRAINAGE AREA, 440 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	10 700	JUL	2 230
FEB	12 300	AUG	2 050
MAR	57 400	SEP	1 410
APR	43 400	OCT	19 300
MAY	9 530	NOV	19 000
JUN	1 540	DEC	28 800

TOTAL DISCHARGE, 208 000 dam³

BEAR CREEK BELOW BRIGDEN - STATION NO. 02GG009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.600B	3.97B	15.2 B	2.94	1.40	1.04	0.846	0.065	0.043	0.507	1.34	8.90E	1
2	1.20 B	2.80B	7.38B	3.75	1.19	0.886	0.820	0.069	0.390	0.583	1.22	5.10E	2
3	2.00 B	3.05B	5.00B	4.54	1.02	0.837	0.763	0.064	0.290	3.21	1.14	3.30E	3
4	3.00 B	3.00B	6.40B	7.51	0.944	0.819	0.628	0.161	0.202	2.81	1.11	14.3 E	4
5	4.30 B	2.84B	5.00B	10.8	2.25	0.766	0.499	0.221	0.116	2.01	12.2	20.8 E	5
6	7.00 B	2.50B	3.50B	9.42	2.60	0.836	0.380	0.142	0.074	1.91	28.0	10.3 E	6
7	10.0 B	2.68B	3.00B	6.82	2.28	0.865	0.295	0.115	0.420	2.87	33.1	6.00E	7
8	13.5 B	6.02	2.60B	5.49A	2.31	0.840	0.234	0.076	0.731	2.60	39.1 A	4.60E	8
9	9.80 B	20.4	3.00B	4.26E	1.83	0.866	0.195	0.048	0.713	9.74	28.4 A	4.30E	9
10	8.20 B	31.1	18.0 B	3.80E	1.41	0.753	0.136	0.040	1.75	25.1	11.0 A	5.00E	10
11	8.00 B	36.8	28.8	15.8 E	1.19	0.608	0.109	0.023	4.98	37.0	6.12A	5.70E	11
12	9.00 B	23.1	39.4	15.5 E	1.00	0.529	0.092	0.015	5.62	54.5	4.69A	4.70E	12
13	10.0 B	8.77	44.7	8.50E	1.09	0.505	0.078	0.031	3.30 A	53.1	3.83A	3.80E	13
14	7.00 B	5.61	44.0	6.30E	1.37	0.874	0.104	0.031	1.94 A	39.8	3.14A	3.10E	14
15	5.80 B	4.51	35.2	7.00E	1.36	0.885	0.170	0.034	5.53	21.3 A	2.82A	2.60E	15
16	5.00 B	4.03	20.4	7.50E	3.68	0.723	0.188	0.053	8.15	8.38 A	2.54A	2.60E	16
17	13.2 B	3.63B	10.9	6.00E	12.2	0.690	0.177	0.056	11.5 A	5.43 A	2.30E	3.00E	17
18	29.7 B	3.30B	7.83	5.20E	24.5	0.968	0.113	0.321	10.9 A	5.77	2.10E	4.30E	18
19	43.7 B	3.00B	5.97	4.50E	27.7	0.772	0.087	1.11	7.57 A	7.99	1.95E	11.0 E	19
20	67.6	2.75B	4.43	3.80E	23.2	0.632	0.080	1.29	4.94 A	11.9	1.75E	13.5 E	20
21	52.5	2.50B	3.56	6.20E	15.1	0.591	0.109	0.880	3.61 A	10.9 A	1.50E	11.2	21
22	30.9	11.0 B	3.20	9.50E	15.4	0.577	0.146	0.657	3.53	6.70 A	1.30E	10.9	22
23	11.0	47.6	5.28	6.60E	10.6	0.568	0.141	0.544	3.48	4.12 A	1.85E	11.2	23
24	6.54	95.5	6.32	5.27A	5.98	1.01	0.130	0.389	2.86 A	3.04 A	2.80E	12.6 B	24
25	6.34	82.4	8.05	4.11	3.75	2.53	0.143	0.234	2.38 A	2.51 A	2.70E	9.20B	25
26	9.04	57.9	5.98	3.23	3.20	3.65	0.183	0.112	1.79 A	2.20 A	2.50E	6.80B	26
27	12.4	39.6	4.13	2.66	2.86	3.54	0.138	0.063	1.28 A	2.07 A	2.30E	5.40B	27
28	11.6	24.8	3.24	2.22	2.24	2.16	0.085	0.050	0.923A	1.93 A	5.00E	4.56B	28
29	9.16		2.67	1.87	1.83	1.46	0.074	0.050	0.694A	1.73 A	7.00E	17.3	29
30	7.40		2.55	1.62	1.48	1.08	0.077	0.049	0.569A	1.56 A	9.40E	47.2	30
31	5.65		2.68		1.23		0.069	0.048		1.46 A		89.8	31
TOTAL	421.130	535.16	360.37	182.71	178.214	32.860	7.297	7.041	90.275	334.430	224.20	363.06	TOTAL
MEAN	13.6	19.1	11.6	6.09	5.75	1.10	0.235	0.227	3.01	10.8	7.47	11.7	MEAN
MAX	67.6	95.5	44.7	15.8	27.7	3.65	0.846	1.29	11.5	54.5	39.1	89.8	MAX
MIN	0.600	2.50	2.55	1.62	0.944	0.505	0.069	0.015	0.043	0.507	1.11	2.60	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.50
MAXIMUM DAILY, 95.5 ON FEB 24
MINIMUM DAILY, 0.015 ON AUG 12
MAXIMUM INSTANTANEOUS,
107 AT 20:16 EST ON FEB 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 48 42 N
LONG 082 17 54 W
DRAINAGE AREA, 533 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	36 400	JUL	630
FEB	46 200	AUG	608
MAR	31 100	SEP	7 800
APR	15 800	OCT	28 900
MAY	15 400	NOV	19 400
JUN	2 840	DEC	31 400

TOTAL DISCHARGE, 236 000 dam³

BEAR CREEK NEAR PETROLIA - STATION NO. 02GG006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.180B	1.40 B	2.20B	1.67	0.677	0.462	0.397	0.192	0.244	1.02	0.574	2.07	1
2	0.250B	1.11 B	2.10B	1.83	0.593	0.426	0.317	0.367	0.137	1.94	0.541	1.47	2
3	0.310B	1.20 B	2.80B	2.96	0.532	0.457	0.250	0.193	0.085	1.21	0.541	1.11	3
4	0.600B	1.14 B	2.00B	5.24	0.496	0.542	0.208	0.121	0.063	0.805	0.551	6.52	4
5	3.00 B	1.07 B	1.50B	4.45	0.784	0.586	0.167	0.091	0.051	0.929	2.08	9.43	5
6	6.40 B	1.00 B	1.33B	3.22	1.38	0.454	0.133	0.070	0.060	1.26	18.3	4.68	6
7	7.00 B	1.02 B	1.17B	2.71	1.25	0.386	0.107	0.054	0.193	0.943	23.2	2.74	7
8	5.00 B	3.43	1.08B	2.09	0.907	0.361	0.092	0.051	0.476	0.753	11.0	2.08	8
9	3.50 B	20.1	2.34	1.66	0.740	0.335	0.086	0.046	0.891	4.55	4.17	1.93	9
10	3.60 B	20.3	11.7	1.70	0.634	0.354	0.075	0.043	0.571	19.6	2.71	2.26	10
11	4.30 B	8.76	14.8	7.19	0.569	0.344	0.076	0.036	0.492	31.7	2.16	2.57	11
12	3.80 B	3.72	20.1	7.04	0.504	0.273	0.137	0.026	0.423	25.2	1.81	2.15	12
13	3.00 B	2.40	22.6	3.86	0.532	0.227	0.110	0.040	0.325	12.7	1.47	1.73	13
14	2.50 B	2.03	15.4	2.85	0.921	0.216	0.101	0.043	0.396	5.65	1.21	1.39	14
15	2.00 B	1.74	7.39	3.16	1.24	0.356	0.091	0.053	3.21	3.36	1.02	1.18	15
16	1.70 B	1.66	4.36	3.40	1.98	0.710	0.075	0.188	7.67	2.25	0.946	1.19	16
17	6.61 B	1.42 B	3.53	2.72	11.8	0.454	0.079	0.721	5.07	1.59	0.872	1.37	17
18	39.4 B	1.21	2.76	2.36	16.9	0.358	0.089	0.567	2.89	1.96	0.802	1.97	18
19	37.5 B	1.11 B	2.03	2.02	9.13	0.379	0.085	0.285	1.51	6.37	0.722	5.43	19
20	20.9	1.02 B	1.60	1.72	4.50	0.373	0.088	0.196	1.29	6.01	0.666	5.47	20
21	6.72	0.938B	1.36	2.80	5.57	0.278	0.080	0.149	1.35	3.23	0.611	3.23	21
22	3.48	8.56	1.28	4.32	4.30	0.219	0.087	0.124	1.27	1.88	0.645	3.68	22
23	2.84	54.9	1.09	2.98	2.68	0.256	0.160	0.095	1.40	1.42	0.960	5.26	23
24	2.15	31.8	4.80	2.12	1.85	1.14	0.142	0.076	1.19	1.17	1.48	4.72B	24
25	4.11	14.7	3.02	1.66	1.82	2.51	0.108	0.062	0.821	1.05	1.40	3.21B	25
26	7.27	10.3	1.99	1.33	1.46	1.68	0.104	0.051	0.611	0.937	1.16	2.37B	26
27	5.87	5.32 B	1.54	1.14	1.12	0.963	0.083	0.048	0.478	0.831	1.27	1.68B	27
28	4.05	3.64 B	1.25	0.977	0.886	0.661	0.067	0.052	0.379	0.773	2.73	1.37B	28
29	3.40 B		1.07	0.894	0.721	0.502	0.052	0.051	0.310	0.757	4.57	7.66	29
30	2.40 B		1.07	0.769	0.616	0.434	0.056	0.343	0.293	0.692	3.39	49.2	30
31	1.80 B		1.39		0.547		0.062	0.534		0.618		37.4	31
TOTAL	195.640	207.998	144.65	82.840	77.639	16.696	3.764	4.968	34.149	143.158	93.561	178.72	TOTAL
MEAN	6.31	7.43	4.67	2.76	2.50	0.557	0.121	0.160	1.14	4.62	3.12	5.77	MEAN
MAX	39.4	54.9	22.6	7.19	16.9	2.51	0.397	0.721	7.67	31.7	23.2	49.2	MAX
MIN	0.180	0.938	1.07	0.769	0.496	0.216	0.052	0.026	0.051	0.618	0.541	1.18	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.24
MAXIMUM DAILY, 54.9 ON FEB 23
MINIMUM DAILY, 0.026 ON AUG 12
MAXIMUM INSTANTANEOUS,
69.5 AT 09:43 EST ON FEB 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 54 21 N
LONG 082 07 12 W
DRAINAGE AREA, 267 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	16 900	JUL	325
FEB	18 000	AUG	429
MAR	12 500	SEP	2 950
APR	7 160	OCT	12 400
MAY	6 710	NOV	8 080
JUN	1 440	DEC	15 400

TOTAL DISCHARGE, 102 000 dam³

BEATTY SAUGEEN RIVER NEAR HOLSTEIN - STATION NO. 02FC017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.565B	0.699B	0.495B	1.12	0.340	0.283	0.438	0.391	0.180E	0.293	0.349	1.48	1
2	0.500B	0.755B	0.475B	1.28	0.308	0.466	0.308	0.261	0.150E	0.306	0.322	1.22	2
3	0.650B	0.680B	0.450B	1.47	0.291	0.435	0.256	0.218E	0.120E	0.268	0.322	0.890B	3
4	0.990B	0.610B	0.405B	1.43	0.295	0.416	0.234E	0.195E	0.100E	0.345	0.317	1.12 B	4
5	1.44 B	0.585B	0.372B	1.18	0.389	0.347	0.217E	0.190E	0.140E	0.468	0.699	1.07 B	5
6	0.925B	0.561	0.335B	0.967	0.343	0.318	0.203E	0.155E	0.120E	0.407	2.20	1.01 B	6
7	0.700B	0.533	0.318B	0.840	0.321	0.283	0.180E	0.130E	0.120E	0.314	2.24	0.884	7
8	0.602	0.564	0.299B	0.728	0.334	0.255	0.155E	0.110E	0.110E	0.284	1.52	0.796	8
9	0.558	1.11	0.282B	0.673	0.311	0.248	0.212E	0.090E	0.080E	0.858	1.17	0.764	9
10	0.524	1.45 B	0.960B	0.892	0.317	0.236	0.185E	0.070E	0.105E	1.59	1.03	0.835	10
11	0.485	1.25 B	7.00 B	1.15	0.335	0.221E	0.150E	0.060E	0.115E	1.77	0.934	0.715B	11
12	0.470B	1.05 B	10.2 B	1.04	0.359	0.209E	0.130E	0.090E	0.080E	1.34	0.825B	0.7 4	12
13	0.450B	0.942	11.8 E	0.844	0.336	0.219E	0.120E	0.220E	0.055E	0.955	0.770B	0.942	13
14	0.435B	0.860B	9.10 E	0.833	0.316	0.234E	0.110E	0.210E	0.085E	0.693	0.718	0.920B	14
15	0.425B	0.785B	5.66	1.06	0.296	0.327	0.115E	0.170E	0.263E	0.675	0.958	0.860B	15
16	0.387	0.705B	3.89	1.09	0.328	0.292	0.125E	0.150E	0.250	0.592	1.85	0.717	16
17	0.764	0.625B	2.87	1.18	1.03	0.253	0.125E	0.130E	0.220	0.691	1.90	0.654	17
18	2.33	0.565B	2.21	1.11	1.66	0.238E	0.100E	0.110E	0.200E	0.975	1.36 B	0.754	18
19	1.85 B	0.530B	1.70	0.937	1.29	0.219E	0.083E	0.100E	0.165E	1.32	1.00	0.870	19
20	1.53 B	0.505B	1.33	0.914	1.72	0.213E	0.252E	0.090E	0.130E	1.09	0.842	0.735B	20
21	1.32 B	0.475B	1.10	1.13	2.18	0.215E	0.278	0.080E	0.145E	0.741	0.756	0.756	21
22	1.19 B	0.525B	1.16	1.04	1.53	0.237E	0.245E	0.075E	0.175E	0.613	1.51	1.23	22
23	1.08	1.26 B	1.92	0.874	0.931	0.456	0.242E	0.140E	0.216E	0.512	2.08	1.43 B	23
24	1.06	1.07 B	1.82	0.716	0.683	1.31	0.214E	0.086E	0.261	0.464	1.76	1.23 B	24
25	1.15	0.880B	1.41	0.642	0.528	0.987	0.175E	0.075E	0.237	0.419	1.46	1.01 B	25
26	1.34	0.705B	1.28	0.560	0.450	0.540	0.140E	0.060E	0.239	0.390	1.24	0.845B	26
27	1.14 B	0.610B	1.03	0.504	0.395	0.337	0.110E	0.090E	0.223E	0.361	1.84	0.725B	27
28	0.995B	0.560B	0.930	0.452	0.603	0.272	0.080E	0.311E	0.211E	0.390	2.94	0.600B	28
29	0.880B		0.856	0.413	0.601	0.427	0.060E	0.320	0.190E	0.402	2.85	2.03 B	29
30	0.805B		0.928	0.363	0.409	0.543	0.328E	0.269	0.234E	0.398	2.01	4.38 B	30
31	0.730B		1.05		0.326		0.729	0.210E		0.382		3.40 B	31
TOTAL	28.270	21.449	73.635	27.432	19.555	11.036	6.299	4.856	4.919	20.306	39.772	35.606	TOTAL
MEAN	0.912	0.766	2.38	0.914	0.631	0.368	0.203	0.157	0.164	0.655	1.33	1.15	MEAN
MAX	2.33	1.45	11.8	1.47	2.18	1.31	0.729	0.391	0.263	1.77	2.94	4.38	MAX
MIN	0.387	0.475	0.282	0.363	0.291	0.209	0.060	0.060	0.055	0.268	0.317	0.600	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.803
MAXIMUM DAILY, 11.8E ON MAR 13
MINIMUM DAILY, 0.055E ON SEP 13

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 05 22 N
LONG 080 44 40 W
DRAINAGE AREA, 50.1 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 440	JUL	544
FEB	1 850	AUG	420
MAR	6 360	SEP	425
APR	2 370	OCT	1 750
MAY	1 690	NOV	3 440
JUN	954	DEC	3 080

TOTAL DISCHARGE, 25 300 dam³

BEAVER CREEK NEAR MARMORA - STATION NO. 02HK006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.00B	4.43B	4.34B	14.0	20.4	5.15	3.00	0.651	0.230	0.130	5.47	7.22	1
2	3.16B	4.30B	4.02B	14.1	18.8	4.58	3.14	0.677	0.223	0.150	5.15	7.04	2
3	2.89B	4.17B	3.70B	17.6	17.7	4.44	2.93	0.643	0.523	0.202	4.63	6.96	3
4	2.94B	4.02B	3.50B	23.3	16.6	4.46	2.56	0.556	0.505	0.292	3.62	7.81	4
5	3.77B	3.91B	3.34B	27.4	16.1	4.47	2.31	0.513	0.382	0.435	3.03	8.87	5
6	3.55B	3.82B	3.21B	28.5	16.3	4.34	2.16	0.475	0.288	0.334	3.42	9.54	6
7	3.38B	3.75B	3.12B	28.6	16.3	4.15	1.92	0.427	0.208	0.342	4.01	9.54	7
8	3.20B	3.70B	3.03B	28.2	15.9	3.94	1.81	0.375	0.167	0.381	4.59	9.23	8
9	3.05B	4.34B	2.97B	26.6	15.6	3.89	1.82	0.345	0.119	0.435	4.48	8.99	9
10	2.91B	4.90B	2.92B	25.9	14.0	4.16	1.69	0.311	0.108	0.471	4.45	8.84	10
11	3.08B	4.45B	4.34B	26.5	12.3	4.47	1.51	0.274	0.100	0.658	4.44	8.51B	11
12	2.90B	4.20B	7.04B	26.4	11.3	4.39	1.32	0.238	0.073	0.893	4.50	7.96B	12
13	2.74B	4.41B	10.9 B	25.4	10.5	4.01	1.18	0.296	0.061	1.24	4.37	7.84B	13
14	2.63B	4.54B	17.0 B	23.9	9.71	3.83	1.01	0.279	0.057	1.43	4.11	7.66B	14
15	2.58B	4.59B	20.1 B	24.0	9.49	3.79	0.969	0.274	0.052	1.64	4.04	7.53B	15
16	2.65B	4.63B	23.0 B	24.9	10.3	3.58	0.983	0.316	0.053	2.15	4.11	7.39B	16
17	2.70B	4.17B	27.4 B	25.0	11.3	3.53	0.968	0.292	0.055	2.56	4.44	7.24B	17
18	3.48B	3.92B	29.7 B	24.3	13.0	3.43	0.964	0.283	0.058	3.48	4.64	7.50	18
19	8.48B	3.75B	26.0 B	23.6	15.2	3.13	0.933	0.270	0.060	5.03	4.54	8.10	19
20	7.41B	3.58B	23.7 B	23.2	16.4	2.90	0.939	0.251	0.064	5.83	4.36	7.84B	20
21	6.37B	3.47B	21.9 B	22.8	16.7	2.86	0.896	0.227	0.062	5.85	4.31	7.76	21
22	5.73B	4.61B	20.7 B	22.4	16.1	3.17	0.855	0.211	0.076	5.55	4.45	8.65	22
23	5.14B	7.10B	23.0 B	21.7	14.7	3.46	1.04	0.195	0.091	5.10	4.81	11.8	23
24	4.84B	7.93B	27.4 B	24.3	12.5	3.34	1.14	0.187	0.090	5.13	5.22	16.4	24
25	6.34B	6.78B	28.7 B	27.2	10.4	3.19	1.16	0.172	0.088	6.54	5.48	23.2	25
26	7.90B	5.78B	25.7 B	28.5	9.25	3.09	1.01	0.161	0.089	7.34	5.52	23.8	26
27	6.49B	5.12B	23.3 B	27.6	8.59	2.90	0.903	0.146	0.090	7.20	5.72	20.0	27
28	5.80B	4.57B	20.7 B	25.9	8.11	2.70	0.835	0.185	0.086	6.95	6.39	19.2	28
29	5.38B		18.9 B	24.2	7.73	2.74	0.774	0.222	0.086	6.70	7.08	22.6	29
30	4.95B		16.1 B	22.2	7.10	2.82	0.713	0.208	0.125	6.23	7.26	25.0	30
31	4.63B		14.7		6.02		0.659	0.230		5.90		28.5	31
TOTAL	137.07	128.94	464.43	728.2	404.40	110.91	44.101	9.890	4.269	96.573	142.64	368.54	TOTAL
MEAN	4.42	4.61	15.0	24.3	13.0	3.70	1.42	0.319	0.142	3.12	4.75	11.9	MEAN
MAX	8.48	7.93	29.7	28.6	20.4	5.15	3.14	0.677	0.523	7.34	7.26	28.5	MAX
MIN	2.58	3.47	2.92	14.0	6.02	2.70	0.659	0.146	0.052	0.130	3.03	6.96	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.23
MAXIMUM DAILY, 29.7B ON MAR 18
MINIMUM DAILY, 0.052 ON SEP 15
MAXIMUM INSTANTANEOUS,
31.7 AT 23:59 EST ON DEC 31

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 32 02 N
LONG 077 41 56 W
DRAINAGE AREA, 541 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	11 800	JUL	3 810
FEB	11 100	AUG	854
MAR	40 100	SEP	369
APR	62 900	OCT	8 340
MAY	34 900	NOV	12 300
JUN	9 580	DEC	31 800

TOTAL DISCHARGE, 228 000 dam³

BEAVER RIVER NEAR CLARKSBURG - STATION NO. 02FB009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.25B	8.85B	7.11	14.6	8.26	6.58	6.52	3.79	2.80	3.59	5.00	13.2	1
2	4.53B	8.10B	7.49	16.6	7.80	7.32	5.48	3.56	2.84	3.65	4.92	11.9	2
3	4.30B	7.59	7.22	21.2	7.47	7.14	4.66	3.43	2.88	3.20	4.95	10.5	3
4	6.00B	7.39	6.79	22.8	7.26	7.07	4.11	3.23	2.94	3.08	4.86	10.8	4
5	9.97	7.23	6.51	22.1	7.24	6.72	3.84	3.09	3.21	3.23	7.58	10.1 B	5
6	8.48	7.23	6.21	19.5	6.80	6.22	3.67	2.97	3.09	3.11	16.1	9.50B	6
7	7.57	6.78	6.01	17.7	6.48	5.74	3.51	2.97	3.14	2.96	12.3	9.10B	7
8	7.05	7.03	6.19	16.4	6.31	5.25	3.44	2.81	3.16	2.89	11.5	8.80	8
9	6.67	11.9	6.56	15.6	6.16	4.94	3.81	2.63	3.14	3.71	10.5	8.99	9
10	6.40B	12.1	8.83	15.9	6.14	4.39	3.77	2.48	3.17	5.90	9.64	11.1	10
11	6.25B	10.9	14.2 B	17.8	6.14	4.02	3.55	2.46	3.20	6.72	9.06	9.18	11
12	6.05B	9.34	66.5 B	17.4	6.02	3.79	3.36	2.52	3.20	6.29	8.46	8.88	12
13	5.80B	8.67	62.8	16.1	6.12	3.89	3.18	2.77	3.20	6.11	7.89	12.3	13
14	5.70	7.90B	55.1	15.9	5.92	3.78	3.08	2.94	3.17	5.84	7.52	9.60B	14
15	5.57	7.00B	48.5	16.2	5.89	3.62	3.02	2.52	3.49	5.63	7.80	8.90B	15
16	5.43	6.40B	40.5	15.2	5.85	3.43	3.01	2.19	3.57	5.42	7.85	8.60B	16
17	15.9 B	6.05B	33.7	16.6	7.50	3.29	2.88	2.00	3.49	5.53	8.01	8.40B	17
18	32.5 B	5.80B	27.3	15.9	9.44	3.27	2.77	1.97	3.44	5.87	7.67	10.3	18
19	19.8	5.60B	22.5	14.7	9.69	3.31	2.74	2.17	3.42	6.47	7.44	10.4	19
20	16.4	5.45B	19.1	14.1	11.1	3.25	3.08	2.13	3.46	6.34	7.19	9.45B	20
21	13.8	5.80B	17.6	14.5	12.8	3.15	3.20	2.08	3.49	6.10	6.90	9.00B	21
22	11.9	6.19	16.8	14.1	12.2	3.14	3.05	2.26	3.59	5.84	9.48	13.2	22
23	10.3	7.78	19.8	13.2	11.1	3.60	2.94	2.31	3.68	6.58	9.68	12.5	23
24	10.4	8.10	18.1	12.5	10.3	4.19	2.85	2.29	3.65	5.84	9.98	11.2 B	24
25	11.8	6.30B	16.7	11.9	9.49	4.24	2.70	2.26	3.54	5.69	9.95	9.00B	25
26	14.0	6.20B	15.8	10.9	8.91	4.05	2.59	2.24	3.51	5.58	9.36	8.20B	26
27	12.7 B	6.40B	14.6	10.2	8.55	3.65	2.51	2.21	3.56	5.37	12.8	7.94	27
28	14.7 B	6.70B	14.0	9.68	7.93	3.37	2.40	2.17	3.44	5.41	17.5	8.50B	28
29	12.1		14.1	9.18	7.49	3.07	2.30	2.42	3.43	5.52	16.4	26.7	29
30	10.9		14.1	8.74	7.16	6.15	2.89	2.59	3.68	5.35	14.9	30.4	30
31	9.90		14.4		6.81		3.83	2.70		5.15		24.3	31
TOTAL	317.14	210.78	634.12	457.20	246.33	137.63	104.74	80.16	99.58	157.97	283.19	360.94	TOTAL
MEAN	10.2	7.53	20.5	15.2	7.95	4.59	3.38	2.59	3.32	5.10	9.44	11.6	MEAN
MAX	32.5	12.1	66.5	22.8	12.8	7.32	6.52	3.79	3.68	6.72	17.5	30.4	MAX
MIN	4.25	5.45	6.01	8.74	5.85	3.14	2.30	1.97	2.80	2.89	4.86	7.94	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.47
MAXIMUM DAILY, 66.5B ON MAR 12
MINIMUM DAILY, 1.97 ON AUG 18
MAXIMUM INSTANTANEOUS,
79.5 AT 19:20 EST ON MAR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 31 20 N
LONG 080 28 00 W
DRAINAGE AREA, 572 km²

B - ICE CONDITIONS

REGULATED SINCE 1915

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	27 400	JUL	9 050
FEB	18 200	AUG	6 930
MAR	54 800	SEP	8 600
APR	39 500	OCT	13 600
MAY	21 300	NOV	24 500
JUN	11 900	DEC	31 200

TOTAL DISCHARGE, 267 000 dam³

BEAVERTON RIVER NEAR BEAVERTON - STATION NO. 02EC011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.560B	2.05B	2.15B	4.87	2.78	0.733	0.846	0.258	0.206	0.569	1.54	3.02	1
2	0.600B	1.90B	1.90B	5.06	2.55	0.756	0.774	0.247	0.207	0.606	1.51	2.88	2
3	0.560B	1.75B	1.75B	6.61	2.34	2.35	0.664	0.239	0.199	0.620	1.48	2.55	3
4	0.430B	1.70B	1.65B	7.48	2.15	2.83	0.574	0.232	0.188	0.738	1.49	2.44B	4
5	1.20 B	1.60B	1.55B	8.52	2.39	2.36	0.517	0.237	0.235	0.890	1.69	2.45B	5
6	1.05 B	1.40B	1.48B	7.78	2.42	2.16	0.437	0.250	0.263	0.863	2.85	2.64	6
7	0.940B	1.70B	1.40B	6.41	2.36	1.82	0.413	0.237	0.253	0.827	3.00	2.59	7
8	0.863B	2.50B	1.32B	5.58	2.67	1.53	0.409	0.226	0.242	0.776	3.02	2.55	8
9	0.830B	4.70B	1.25B	5.16	2.55	1.36	0.489	0.222	0.220	1.33	2.87	2.70B	9
10	0.790B	4.10B	1.22B	6.68	2.94	1.19	0.448	0.215	0.253	1.92	2.95	2.85B	10
11	0.770B	3.80B	7.00B	9.73	3.05	1.07	0.400	0.199	0.286	2.08	3.00	3.06B	11
12	0.740B	3.30B	73.1	7.86	2.65	0.912	0.372	0.205	0.281	2.38	2.75	2.68	12
13	0.730B	3.00B	64.2	6.84	2.36	0.815	0.340	0.276	0.271	2.44	2.61B	2.85	13
14	0.710B	3.20B	44.5	6.28	2.22	0.745	0.339	0.322	0.280	2.97	2.36B	2.81B	14
15	0.700B	2.80B	31.3	6.13	2.17	0.712	0.410	0.290	0.414	2.70	2.25	2.22B	15
16	1.50 B	2.50B	24.0	5.64	2.02	0.812	0.447	0.273	0.404	2.50	2.30	2.09B	16
17	6.00 B	2.40B	19.6	5.31	2.54	0.619	0.416	0.265	0.373	2.71	2.27	2.01B	17
18	5.50 B	2.30B	16.2	4.87	2.92	0.594	0.379	0.262	0.361	2.78	2.14	2.30B	18
19	4.30 B	2.20B	12.9	4.48	2.58	0.560	0.355	0.337	0.378	2.65	2.00	2.92	19
20	3.60 B	2.00B	11.1	4.46	3.27	0.493	0.408	0.314	0.390	2.40	1.89	2.91B	20
21	3.20 B	1.80B	9.66	5.24	4.70	0.522	0.400	0.284	0.373	2.23	1.83	2.72	21
22	2.90 B	1.95B	9.36	4.96	3.97	0.588	0.377	0.271	0.376	2.05	2.64	5.51	22
23	2.70 B	3.00B	10.3	4.56	3.25	0.661	0.479	0.286	0.372	1.87	3.38	7.41	23
24	2.60 B	4.00B	8.43	4.36	2.67	0.731	0.456	0.281	0.366	1.79	3.34	5.96B	24
25	3.00 B	3.50B	7.60B	4.23	2.34	0.737	0.410	0.267	0.347	1.74	3.16	5.15B	25
26	4.80 B	3.20B	6.85	3.96	1.94	0.685	0.359	0.252	0.334	1.67	3.03	4.55B	26
27	3.90 B	3.30B	6.10B	3.70	1.61	0.626	0.327	0.247	0.296	1.62	3.15	4.30B	27
28	3.50 B	2.70B	5.49	3.45	1.43	0.577	0.303	0.237	0.276	1.70	3.49	4.02B	28
29	3.40 B		4.98	3.17	1.19	0.620	0.277	0.241	0.242	1.73	3.36	6.77	29
30	2.70 B		4.70	3.00	0.979	0.732	0.285	0.218	0.461	1.67	3.13	17.7	30
31	2.20 B		4.72		0.852		0.300	0.208		1.60		8.64	31
TOTAL	67.273	74.35	397.76	166.38	75.861	30.917	13.410	7.894	9.147	55.099	76.48	125.25	TOTAL
MEAN	2.17	2.66	12.8	5.55	2.45	1.03	0.433	0.255	0.305	1.78	2.55	4.04	MEAN
MAX	6.00	4.70	73.1	9.73	4.70	2.83	0.846	0.337	0.461	3.12	3.49	17.7	MAX
MIN	0.430	1.40	1.22	3.00	0.852	0.493	0.277	0.199	0.188	0.569	1.48	2.01	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.01
MAXIMUM DAILY, 73.1 ON MAR 12
MINIMUM DAILY, 0.188 ON SEP 04
MAXIMUM INSTANTANEOUS,
83.6 AT 12:39 EST ON MAR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 23 49 N
LONG 079 04 16 W
DRAINAGE AREA, 282 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 810	JUL	1 160
FEB	6 420	AUG	682
MAR	34 400	SEP	790
APR	14 400	OCT	4 760
MAY	6 550	NOV	6 610
JUN	2 670	DEC	10 800

TOTAL DISCHARGE, 95 100 dam³

BERENS RIVER ABOVE BERENS LAKE - STATION NO. 05RC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.8B	10.1 B	9.23B	9.35B	252	93.1	52.9	24.7	14.2	23.7	22.1	18.2B	1
2	11.7B	10.0 B	9.23B	9.39B	243	90.2	50.4	24.2	13.5	23.2	22.0	18.0B	2
3	11.6B	9.98B	9.23B	9.44B	232	93.5	48.2	23.5	13.8	23.2	21.8	18.0B	3
4	11.6B	9.94B	9.18B	9.48B	223	98.3	46.0	22.3	14.3	22.5	21.8	17.8B	4
5	11.5B	9.94B	9.18B	9.52B	215	101	44.2	21.2	14.6	22.0	21.9	17.6B	5
6	11.4B	9.90B	9.18B	9.56B	208	103	43.1	20.5	14.8	21.7	21.8	17.4B	6
7	11.4B	9.90B	9.18B	9.60B	203	104	45.5	19.9	14.4	21.5	21.6	17.3B	7
8	11.3B	9.86B	9.14B	9.65B	200	104	48.1	19.2	14.1	21.4	21.6	17.2B	8
9	11.2B	9.86B	9.14B	9.69B	196	105	50.3	18.5	13.6	21.3	21.9	17.0B	9
10	11.2B	9.86B	9.14B	9.73B	191	106	50.8	17.7	13.2	21.4	21.7	16.9B	10
11	11.2B	9.81B	9.14B	9.81B	189	105	50.0	17.0	13.0	21.1	21.5	16.7B	11
12	11.1B	9.77B	9.14B	9.86B	185	104	47.7	16.5	12.6	20.4	21.2	16.6B	12
13	11.0B	9.69B	9.10B	9.94B	179	101	45.3	16.0	12.6	20.6	21.1	16.5B	13
14	10.9B	9.65B	9.10B	10.0 B	173	99.5	43.2	16.0	12.4	21.1	21.4	16.3B	14
15	10.9B	9.60B	9.10B	10.1 B	167	96.6	40.7	15.8	13.0	21.8	21.3	16.2B	15
16	10.9B	9.60B	9.10B	10.2 B	161	93.9	37.9	15.7	13.3	21.9	21.0	16.1B	16
17	10.8B	9.56B	9.10B	10.3 B	165	91.5	36.2	15.5	13.2	21.8	20.7	15.9B	17
18	10.9B	9.56B	9.10B	10.4 B	173	87.3	35.3	15.0	13.6	21.6	20.6	15.8B	18
19	10.7B	9.52B	9.14B	13.4 B	175	83.5	34.2	14.4	13.6	21.7	20.4	15.7B	19
20	10.7B	9.52B	9.14B	28.4	172	79.8	33.2	13.9	13.9	21.7	20.2B	15.6B	20
21	10.6B	9.48B	9.14B	49.2	166	77.2	32.4	13.5	15.4	21.3	20.1B	15.5B	21
22	10.5B	9.48B	9.14B	82.5	160	77.1	31.6	13.1	18.2	21.5	19.8B	15.4B	22
23	10.5B	9.44B	9.18B	146	154	75.1	30.7	12.7	22.1	21.7	19.7B	15.2B	23
24	10.4B	9.39B	9.18B	234	148	72.0	29.6	12.9	25.4	21.7	19.5B	15.1B	24
25	10.4B	9.35B	9.18B	255	141	68.9	28.4	12.7	26.4	21.7	19.3B	15.1B	25
26	10.4B	9.31B	9.23B	257	134	66.7	27.4	14.0	26.3	21.8	19.1B	15.0B	26
27	10.3B	9.27B	9.23B	265	127	64.1	26.5	15.3	25.8	21.6	19.0B	14.9B	27
28	10.3B	9.27B	9.23B	260	119	61.4	25.6	15.7	25.5	21.6	18.7B	14.7B	28
29	10.3B		9.27B	258	112	58.1	25.1	15.5	24.9	22.0	18.6B	14.7B	29
30	10.2B		9.27B	257	105	55.3	24.9	15.2	24.1	21.9	18.4B	14.6B	30
31	10.1B		9.31B		98.2		24.9	14.8		22.0		14.5B	31
TOTAL	337.7	270.61	284.35	2 281.52	5 366.2	2 616.1	1 190.3	522.6	506.4	674.4	619.8	501.5	TOTAL
MEAN	10.9	9.66	9.17	76.1	173	87.2	38.4	16.9	16.9	21.8	20.7	16.2	MEAN
MAX	11.8	10.1	9.31	265	252	106	52.9	24.7	26.4	23.7	22.1	18.2	MAX
MIN	10.1	9.27	9.10	9.35	98.2	55.3	24.9	12.6	12.4	20.4	18.4	14.5	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 41.6
MAXIMUM DAILY, 265 ON APR 27
MINIMUM DAILY, 9.10B ON MAR 13
MAXIMUM INSTANTANEOUS,
266 AT 17:07 CST ON APR 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 48 45 N
LONG 093 31 00 W
DRAINAGE AREA, 5 730 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	29 200	JUL	103 000
FEB	23 400	AUG	45 200
MAR	24 600	SEP	43 800
APR	197 000	OCT	58 300
MAY	464 000	NOV	53 600
JUN	226 000	DEC	43 300

TOTAL DISCHARGE, 1 310 000 dam³

BERRY CREEK AT THE OUTLET OF BERRY LAKE - STATION NO. 05PD026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.014	0.571	0.521	0.684	1.26	0.403	15.2	1.08	0.079	0.039	0.036	0.022E	1
2	0.013	0.565	0.486B	0.636	1.22	0.992	14.6	1.08	0.076	0.040	0.033	0.022E	2
3	0.012	0.537	0.474B	0.618	1.21	1.47	14.6	1.22	0.071	0.042	0.032	0.022A	3
4	0.012	0.517	0.459B	0.621	1.27	1.45	13.6	1.24	0.074	0.048	0.033	0.021	4
5	0.012	0.504	0.409B	0.605	1.19	1.76	13.0	1.05	0.068	0.052	0.032	0.021	5
6	0.012	0.485	0.413B	0.612	1.13	2.09	12.3	0.929	0.069	0.051	0.031	0.022	6
7	0.012	0.471	0.413B	0.625	1.24	2.25	11.9	0.867	0.063	0.051	0.032	0.021	7
8	0.014	0.459	0.423B	0.685	1.73	2.63	12.1	0.871	0.061	0.052	0.031	0.021	8
9	0.347	0.484	0.421B	0.681	2.41	3.16	11.7	1.11	0.061	0.052	0.031	0.021	9
10	1.52	0.506	0.432B	0.651	2.16	3.28	10.6	0.967	0.061	0.053	0.031	0.020	10
11	1.77	0.492	0.456B	0.607	1.95	4.24	7.61	0.768	0.060	0.052	0.028	0.019	11
12	1.54	0.511	0.501	0.588	1.75	5.63	7.39	0.651	0.060	0.054	0.028A	0.019	12
13	1.36	0.475	0.589	0.553	1.74	5.44	7.54	0.468	0.062	0.054	0.028E	0.020	13
14	1.18	0.477	0.627	0.575	1.75	7.18	7.43	0.414	0.056	0.054	0.028E	0.021	14
15	1.05	0.485	0.909	0.637	1.64	7.97	7.31	0.304	0.051	0.054	0.026E	0.021	15
16	0.958	0.528	1.33	0.702	1.64	7.01	6.98	0.355	0.049	0.054	0.026E	0.022	16
17	0.866	0.531	1.28	0.677	1.71	8.40	6.85	0.679	0.046	0.053	0.026E	0.023	17
18	0.786	0.579	1.18	0.659	1.63	9.45	6.65	0.597	0.047	0.053	0.026E	0.023	18
19	0.728	0.568	1.08	0.650	1.56	10.1	6.27	0.389	0.046	0.053	0.025E	0.022	19
20	0.673	0.554	1.03	0.678	1.57	11.6	5.92	0.314	0.047	0.052	0.025E	0.021	20
21	0.687	0.546	0.988	0.647	1.49	14.3	5.60	0.271	0.047	0.052	0.025E	0.021	21
22	0.682	0.533	0.981	0.672	1.56	17.4	5.33	0.245	0.048	0.047	0.025E	0.023	22
23	0.692	0.517	0.912	0.753	1.60	18.6	5.04	0.236	0.047	0.042	0.024E	0.024	23
24	0.707	0.502	0.850	0.796	1.59	18.6	4.71	0.268	0.045	0.040	0.024E	0.024	24
25	0.692	0.505	0.811	0.853	1.55	18.6	4.30	0.251	0.044	0.040	0.024E	0.025	25
26	0.658	0.539	0.756	0.950	1.57	20.0	2.32	0.247	0.041	0.039	0.024E	0.025	26
27	0.616	0.547	0.739	1.04	1.56	19.7	0.363	0.218	0.038	0.039	0.023E	0.025	27
28	0.618	0.538	0.684	1.06	1.60	18.4	0.676	0.155	0.040	0.038	0.023E	0.026	28
29	0.595		0.639	1.22	0.883	17.3	0.945	0.119	0.040	0.036	0.023E	0.026	29
30	0.584		0.626	1.24	0.301	16.4	1.01	0.098	0.039	0.035	0.023E	0.026	30
31	0.595		0.649		0.359		1.06	0.100		0.034		0.029	31
TOTAL	20.003	14.546	22.068	21.977	45.843	276.005	230.904	17.561	1.636	1.455	0.826	0.698	TOTAL
MEAN	0.645	0.520	0.712	0.733	1.48	9.20	7.45	0.567	0.055	0.047	0.028	0.023	MEAN
MAX	1.77	0.579	1.33	1.24	2.43	20.0	15.2	1.24	0.079	0.054	0.036	0.029	MAX
MIN	0.012	0.459	0.409	0.553	0.301	0.403	0.363	0.098	0.038	0.034	0.023	0.019	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.79
MAXIMUM DAILY, 20.0 ON JUN 26
MINIMUM DAILY, 0.012 ON JAN 03
MAXIMUM INSTANTANEOUS,
21.6 AT 13:45 CST ON JUN 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 30 N
LONG 093 59 00 W
DRAINAGE AREA, 744 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1978

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 730	JUL	20 000
FEB	1 260	AUG	1 520
MAR	1 910	SEP	141
APR	1 900	OCT	126
MAY	3 960	NOV	71.4
JUN	23 800	DEC	60.3

TOTAL DISCHARGE, 56 500 dam³

REMARKS - STATION MOVED BELOW CONTROL DAM 1981. DOWNSTREAM CONTROL ALT ERED BY BRIDGE CONSTRUCTION 1984

BIG CARP RIVER NEAR SAULT STE. MARIE - STATION NO. 02BF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.119B	0.152B	0.148B	2.29B	0.918	0.218	0.494	0.127	0.028E	0.087E	0.366E	1.35 E	1
2	0.118B	0.158B	0.147B	2.21B	0.792	0.207	0.370	0.102	0.025E	0.208E	0.351E	0.998E	2
3	0.117B	0.162B	0.146B	2.00B	0.679	0.244	0.299	0.087	0.022E	0.162E	0.318E	0.912E	3
4	0.116B	0.162B	0.146B	1.73B	0.590	0.246	0.253	0.079	0.113E	0.886E	0.310E	0.810B	4
5	0.115B	0.163B	0.145B	1.52B	0.525	0.207	0.226	0.079	0.153E	0.809E	0.291E	0.750B	5
6	0.114B	0.163B	0.145B	1.41B	0.473	0.230	0.184	0.079	0.081E	0.595E	0.303E	0.675B	6
7	0.113B	0.163B	0.145B	1.40B	0.422	0.219	0.159	0.072	0.055E	0.515E	0.338E	0.632E	7
8	0.112B	0.164B	0.145B	1.43B	0.449	0.193	0.183	0.089	0.035E	0.390E	0.337E	0.618E	8
9	0.112B	0.165B	0.145B	1.52B	0.454	0.224	0.226	0.116	0.028E	0.322E	0.377E	0.594E	9
10	0.111B	0.168B	0.150B	1.63B	1.77	0.228	0.167	0.146	0.029E	0.264A	0.457E	0.575B	10
11	0.110B	0.169B	0.160B	1.72B	2.34	0.197	0.148	0.131	0.022E	0.634E	0.431E	0.560E	11
12	0.110B	0.174B	0.174B	1.70B	1.59	0.173	0.156	0.126	0.049E	0.682E	0.427E	0.547E	12
13	0.110B	0.169B	0.380B	1.68B	1.06	0.330	0.131	0.158	0.383E	0.636E	0.441E	0.520B	13
14	0.110B	0.168B	0.800B	1.69B	0.797	0.278	0.117	0.118	1.06 E	1.12 E	0.431E	0.498B	14
15	0.110B	0.167B	1.89 B	1.80B	0.783	0.212	0.115	0.102	0.752E	2.13 E	0.537E	0.478B	15
16	0.110B	0.165B	9.60 B	1.90B	2.48	0.183	0.112	0.092	0.418E	1.83 E	1.20 E	0.455E	16
17	0.112B	0.164B	6.40 B	1.89B	2.58	0.260	0.118	0.073	0.207E	2.14 E	1.38 E	0.441E	17
18	0.116B	0.163B	5.50 B	1.99B	2.23	0.409	0.121	0.074E	0.118E	2.43 E	0.964E	0.430B	18
19	0.119B	0.162B	4.70 B	2.07	2.64	0.495	0.103	0.067E	0.181E	1.74 E	0.778E	0.435B	19
20	0.121B	0.161B	4.10 B	2.78	1.68	0.396	0.097	0.080A	0.188E	1.59 E	0.679E	0.430B	20
21	0.122B	0.161B	3.65 B	4.75	1.15	0.340	0.092	0.064E	0.209E	1.96 E	1.74 E	0.428B	21
22	0.122B	0.161B	3.35 B	6.98	0.870	0.305	0.083	0.050E	0.549E	2.96 E	3.54 E	0.416B	22
23	0.122B	0.160B	3.02 B	8.04	0.715	1.15	0.079	0.044E	0.624E	1.74 E	2.10 E	0.407B	23
24	0.122B	0.159B	2.76 B	7.12	0.604	1.23	0.077	0.042E	0.480E	1.17 E	1.55 E	0.390B	24
25	0.122B	0.157B	2.55 B	5.90	0.517	0.741	0.074	0.047E	0.267E	0.858E	1.21 E	0.370B	25
26	0.124B	0.154B	2.37 B	4.95	0.450	0.628	0.071	0.057E	0.150E	0.688E	1.35 E	0.353B	26
27	0.126B	0.152B	2.23 B	3.41	0.375	0.556	0.067	0.041E	0.086E	0.582E	2.76 E	0.338B	27
28	0.132B	0.150B	2.21 B	2.17	0.329	0.412	0.063	0.040E	0.061E	0.772E	2.27 E	0.322B	28
29	0.137B		2.20 B	1.50	0.290	0.436	0.101	0.042E	0.045E	0.612E	2.30 E	0.310B	29
30	0.143B		2.23 B	1.07	0.259	0.528	0.235	0.036E	0.059E	0.493E	2.44 E	0.299B	30
31	0.149B		2.28 B		0.243		0.171	0.031E		0.425E		0.290B	31
TOTAL	3.698	4.536	64.016	82.24	37.054	11.475	4.892	2.491	6.477	33.430	35.984	16.639	TOTAL
MEAN	0.119	0.162	2.07	2.74	1.20	0.383	0.158	0.080	0.216	1.08	1.20	0.537	MEAN
MAX	0.149	0.174	9.60	8.04	5.58	1.23	0.494	0.158	1.06	3.43	5.27	1.35	MAX
MIN	0.110	0.150	0.145	1.07	0.243	0.173	0.063	0.031	0.022	0.087	0.291	0.290	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.830
MAXIMUM DAILY, 9.60B ON MAR 16
MINIMUM DAILY, 0.022E ON SEP 03
MAXIMUM INSTANTANEOUS,
10.5 AT 05:22 EST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 31 02 N
LONG 084 27 52 W
DRAINAGE AREA, 51.5 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	320	JUL	423
FEB	392	AUG	215
MAR	5 530	SEP	560
APR	7 110	OCT	2 890
MAY	3 200	NOV	3 110
JUN	991	DEC	1 440

TOTAL DISCHARGE, 26 200 dam³

BIG CREEK NEAR DELHI - STATION NO. 02GC006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.11	5.73B	6.97B	6.20E	3.99	3.45	2.57	1.33	1.68	2.05	2.49	4.42	1
2	2.70	6.91B	6.88B	6.51E	3.84	3.34	2.43	1.26	1.65	1.89	2.48	4.15	2
3	2.54	6.49B	6.26B	6.94E	3.69	3.66	2.29	1.20	1.62	1.81	2.42	4.33	3
4	2.75B	6.24B	5.85B	6.82E	3.72	4.14	2.16	1.24	1.60	2.14	2.40	6.03	4
5	3.26B	6.08B	5.40B	6.69E	4.20	4.13	2.07	1.58	1.58	2.07	3.01	6.39	5
6	3.12B	5.89B	5.01B	6.51E	3.98	4.09	2.02	1.56	1.63	1.98	4.51	6.66	6
7	3.14B	5.91	4.62B	6.01E	3.78	3.73	1.93	1.59	2.20	2.09	4.74	7.45	7
8	3.50	6.34	4.48B	5.58E	3.66	3.74	1.90	1.54	1.89	2.10	5.75	6.33	8
9	3.79	10.1	4.72B	5.23E	3.50	3.74	4.74	1.45	1.77	2.42	6.97	5.72	9
10	4.31	13.4	6.94B	5.61E	3.61	3.45	5.66	1.35	1.80	2.55	5.90	5.66	10
11	4.46	17.1	10.0 B	7.77A	3.51	3.34	10.9	1.41	1.79	2.66	5.09	5.62	11
12	4.15B	12.5	13.0 B	7.74	3.49	3.11	8.56	1.34	1.75	2.99	4.59	5.78	12
13	3.83B	10.2	17.0 E	7.94	4.62	3.05	5.28	2.15	1.68	3.52	4.33	5.86	13
14	3.59B	8.83	22.0 E	7.52	5.39	2.92	3.97	2.01	1.94	3.64	4.04	5.27	14
15	3.65B	8.22	27.0 E	7.11	5.41	2.86	4.04	1.85	2.32	3.53	3.81	4.87	15
16	3.73	7.50B	22.0 E	6.60	6.17	2.72	3.86	1.89	2.09	3.70	3.70	5.13	16
17	6.76	6.94B	18.0 E	6.58	8.01	2.63	3.61	2.04	1.99	3.45	3.64	4.95	17
18	18.0	6.35B	16.5 E	6.22	8.53	2.91	3.21	1.86	1.92	3.37	3.55	5.28	18
19	16.8 B	6.25B	13.0 E	5.86	9.22	2.67	2.94	1.97	2.03	3.31	3.43	6.22	19
20	16.3 B	5.53B	10.5 E	5.88	9.52	2.54	2.83	1.96	2.06	3.07	3.34	6.26	20
21	11.4 B	5.15B	8.78E	6.52	8.45	2.59	2.77	1.92	1.99	3.04	3.22	7.01	21
22	8.76B	7.60B	8.17E	6.31	7.67	2.53	2.72	1.93	1.95	3.12	3.37	7.59	22
23	7.36B	18.0 B	8.23E	6.12	7.54	2.79	2.81	1.91	1.84	3.05	3.55	9.06	23
24	7.00B	23.5 B	7.80E	5.83	6.81	2.92	2.61	1.83	1.78	2.90	3.62	9.74B	24
25	7.44B	18.0 B	7.18E	5.43	5.70	2.94	2.48	1.78	1.79	2.85	3.86	8.14B	25
26	8.39	14.1 B	6.82E	5.09	5.11	3.02	2.33	1.73	1.80	2.83	3.86	7.70B	26
27	8.84	11.1 B	6.26E	4.83	4.66	3.09	2.09	1.68	1.77	2.73	4.31	7.28B	27
28	9.07	8.40B	5.86E	4.57	4.30	2.81	1.87	2.05	1.74	2.63	4.34	6.91B	28
29	8.09		5.61E	4.37	4.08	2.68	1.70	2.31	1.71	2.70	4.41	9.50B	29
30	7.08B		5.78E	4.16	3.98	2.63	1.63	1.78	2.19	2.57	4.58	26.6	30
31	6.27B		6.26E		3.69		1.61	1.78		2.55		43.0	31
TOTAL	203.19	268.36	302.88	184.55	163.97	94.22	101.59	53.42	55.55	85.31	119.31	254.91	TOTAL
MEAN	6.55	9.58	9.77	6.15	5.29	3.14	3.28	1.72	1.85	2.75	3.98	8.22	MEAN
MAX	18.0	23.5	27.0	7.94	9.52	4.14	10.9	2.31	2.32	3.70	6.97	43.0	MAX
MIN	2.54	5.15	4.48	4.16	3.49	2.53	1.61	1.20	1.58	1.81	2.40	4.15	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.17
MAXIMUM DAILY, 43.0 ON DEC 31
MINIMUM DAILY, 1.20 ON AUG 03
MAXIMUM INSTANTANEOUS,
49.6 AT 13:20 EST ON DEC 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 50 15 N
LONG 080 30 36 W
DRAINAGE AREA, 363 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	17 600	JUL	8 780
FEB	23 200	AUG	4 620
MAR	26 200	SEP	4 800
APR	15 900	OCT	7 370
MAY	14 200	NOV	10 300
JUN	8 140	DEC	22 000

TOTAL DISCHARGE, 163 000 dam³

BIG CREEK NEAR WALSINGHAM - STATION NO. 02GC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.93	7.70B	13.6 B	10.1	6.38	5.77	4.19	2.65	3.10	3.59	4.00	6.05	1
2	6.16	10.2 B	11.0 B	10.6	6.10	5.52	4.04	2.26	3.01	3.24	3.93	5.86	2
3	5.50	9.60B	9.30B	11.3	5.96	5.82	3.83	2.11	2.88	3.07	3.87	6.21	3
4	5.59	8.90B	8.50B	11.1	6.09	6.39	3.69	2.09	2.80	3.65	3.89	10.8	4
5	8.05B	8.40B	7.90B	10.9	7.35	6.27	3.54	2.41	2.80	3.92	4.44	11.4 E	5
6	6.66B	8.10B	7.60B	10.6	6.90	6.18	3.44	2.74	2.86	3.56	8.01	12.1 E	6
7	5.82B	8.33	7.28B	9.79	6.37	5.91	3.34	2.89	3.96	3.32	7.33	13.0 E	7
8	5.53B	8.80	7.02B	9.08	6.08	6.04	3.31	2.76	3.69	3.36	6.83	11.9 E	8
9	5.70	11.9	7.50B	8.52	5.84	6.31	3.96	2.64	3.21	3.80	7.99	10.2 E	9
10	7.11A	15.5	11.3	9.13	5.96	5.80	6.80	2.59	3.15	4.48	8.57	9.30E	10
11	8.90E	17.0	17.5	13.5	5.99	5.42	7.76	2.56	3.09	4.43	7.48	9.00E	11
12	8.00E	18.3	24.7	12.6	5.71	5.18	12.0	2.55	3.04	4.47	6.77	9.10E	12
13	7.50B	14.8	27.3	11.4	7.79	4.99	8.50	2.55	2.91	5.41	6.19	9.50E	13
14	6.80B	12.2	31.2	11.5	9.12	4.79	6.10	2.79	2.99	5.44	5.84	8.90E	14
15	6.90B	11.0	31.8	11.7	8.42	4.69	6.02	3.29	4.16	5.39	5.57	7.50E	15
16	7.40E	11.3 B	27.7	10.6	9.32	4.53	5.79	3.13	3.70	5.19	5.46	8.00E	16
17	14.9 A	10.0 B	22.9	10.1	12.1	4.41	5.37	3.27	3.40	5.17	5.45	7.70E	17
18	21.3	8.58B	19.5	9.73	12.7	4.70	5.00	3.44	3.22	5.17	5.19	8.60E	18
19	25.4	7.98B	17.1	9.04	12.1	4.68	4.63	3.48	3.26	5.51	5.03	9.80E	19
20	20.5 B	7.62B	15.7	8.92	12.8	4.29	4.40	3.46	3.46	5.02	4.88	9.90E	20
21	16.0 B	7.51B	14.3	11.0	12.6	4.23	4.37	3.37	3.29	4.76	4.75	10.5 E	21
22	12.5 B	10.0 B	13.3	10.6	11.2	4.24	4.20	3.30	3.36	4.79	4.94	11.7 E	22
23	11.0 B	21.5 B	13.4	9.64	10.2	4.48	4.35	3.26	3.19	4.85	5.47	13.2 E	23
24	10.3 B	25.0 B	12.7	9.09	9.87	4.77	4.14	3.18	3.09	4.63	5.40	15.5 B	24
25	10.0 B	25.5 B	11.7	8.55	8.90	4.68	3.88	3.10	3.00	4.46	5.36	13.0 B	25
26	10.4 B	23.4 B	11.1	8.03	7.95	4.60	3.72	3.02	3.01	4.34	5.41	12.2 B	26
27	11.2	19.7 B	10.2	7.54	7.25	4.72	3.47	2.95	2.96	4.24	6.27	11.5 B	27
28	11.3	16.7 B	9.54	7.18	6.79	4.61	3.23	2.67	2.88	4.24	6.69	11.0 B	28
29	11.0		9.13	6.87	6.67	4.31	3.01	4.26	2.87	4.19	6.24	20.0 B	29
30	9.00B		9.32	6.63	6.60	4.23	2.87	3.80	3.41	4.17	6.10	40.0 E	30
31	8.10B		10.2		6.11		2.80	3.29		4.06		59.7 E	31
TOTAL	311.45	365.52	449.39	295.34	253.22	152.49	147.75	94.86	95.75	135.92	173.35	403.12	TOTAL
MEAN	10.0	13.1	14.5	9.84	8.17	5.08	4.77	3.06	3.19	4.38	5.78	13.0	MEAN
MAX	25.4	25.5	31.8	13.5	12.8	6.39	12.0	4.26	4.16	5.51	8.57	59.7	MAX
MIN	5.50	7.51	7.02	6.63	5.71	4.23	2.80	2.09	2.80	3.07	3.87	5.86	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.89
MAXIMUM DAILY, 59.7E ON DEC 31
MINIMUM DAILY, 2.09 ON AUG 04

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 41 05 N
LONG 080 32 15 W
DRAINAGE AREA, 591 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	26 900	JUL	12 800
FEB	31 600	AUG	8 200
MAR	38 800	SEP	8 270
APR	25 500	OCT	11 700
MAY	21 900	NOV	15 000
JUN	13 200	DEC	34 800

TOTAL DISCHARGE, 249 000 dam³

BIG OTTER CREEK ABOVE OTTERVILLE - STATION NO. 02GC017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.453	1.02 B	1.38 B	1.72	0.657	0.635	0.484	0.302	0.224	0.263	0.599	1.12	1
2	0.465B	1.95 B	1.26 B	1.70	0.626	0.616	0.437	0.277	0.219	0.244	0.583	1.02	2
3	0.511	1.66 B	1.31 B	2.11	0.596	1.00	0.405	0.261	0.230	0.247	0.595	0.999	3
4	0.582	1.22 B	1.13 B	1.96	0.615	1.34	0.376	0.269	0.222	0.332	0.610	3.04	4
5	1.61	0.960B	0.992B	1.70	0.798	1.12	0.359	0.299	0.212	0.682	0.718	3.53	5
6	1.57 B	0.977B	0.837B	1.45	0.787	0.890	0.345	0.275	0.223	0.568	3.69	2.27	6
7	1.14 B	1.03	0.779B	1.28	0.699	0.781	0.329	0.230	0.307	0.415	4.55	1.75	7
8	1.01 B	1.32	0.752B	1.14	0.655	0.740	0.321	0.251	0.296	0.352	2.32	1.56	8
9	0.929	5.36	0.960B	1.01	0.620	0.821	2.90	0.183	0.273	0.401	1.67	1.58	9
10	1.26	7.71	3.20 B	1.09	0.648	0.767	3.31	0.183	0.270	0.815	1.43	2.11	10
11	1.53	4.20 B	6.50 B	2.79	0.671	0.664	1.43	0.206	0.337	1.02	1.38	2.04	11
12	1.15 B	2.50 B	8.73	2.65	0.635	0.598	0.902	0.206	0.353	1.01	1.23	1.57	12
13	0.803B	1.91	10.5	1.90	2.01	0.560	0.680	0.383	0.296	1.65	1.09	1.47	13
14	0.707B	2.01	9.04	1.63	2.06	0.532	0.597	0.385	0.274	1.62	1.01	1.39	14
15	0.745B	1.66 B	6.82	1.75	1.58	0.526	0.724	0.325	0.487	1.02	0.974	1.19	15
16	0.796	1.37 B	5.12	1.66	1.52	0.487	0.723	0.293	0.647	0.802	0.958	1.23	16
17	2.27	1.15 B	4.28	1.62	3.98	0.457	0.601	0.274	0.484	0.694	0.941	1.29	17
18	9.00 B	0.949B	3.36	1.58	4.51	0.438	0.513	0.266	0.370	0.657	0.884	1.53	18
19	7.04 B	0.879B	2.74	1.35	3.18	0.464	0.463	0.275	0.332	0.897	0.837	3.03	19
20	3.90 B	0.816B	2.46	1.26	2.28	0.442	0.443	0.315	0.322	0.862	0.804	2.45	20
21	2.50 B	0.782B	2.35	1.64	2.98	0.416	0.447	0.315	0.310	0.728	0.781	1.71	21
22	1.74 B	1.50 B	2.28	1.71	2.62	0.423	0.425	0.298	0.305	0.686	0.824	2.26	22
23	1.26 B	11.0 B	2.54	1.44	1.90	0.535	0.453	0.277	0.288	0.663	1.40	4.35	23
24	1.50 B	8.86 B	2.29	1.22	1.50	0.899	0.418	0.261	0.276	0.644	1.41	5.51	24
25	2.71	3.49 B	1.81	1.04	1.24	0.893	0.376	0.253	0.254	0.706	1.20	2.42 B	25
26	3.75	2.60 B	1.60	0.930	1.07	0.640	0.343	0.239	0.248	0.675	1.05	1.78 B	26
27	2.67	1.80 B	1.30	0.834	0.937	0.637	0.318	0.231	0.241	0.630	1.11	1.36 B	27
28	2.27	1.70 B	1.16	0.772	0.825	0.620	0.306	0.240	0.231	0.621	1.60	1.20 B	28
29	1.92		1.09	0.724	0.786	0.552	0.313	0.284	0.227	0.624	1.64	3.93	29
30	1.48		1.23	0.679	0.753	0.518	0.324	0.254	0.241	0.604	1.32	25.8	30
31	1.11 B		1.79		0.687		0.329	0.234		0.599		11.4	31
TOTAL	60.381	72.383	91.590	44.339	43.425	20.011	20.394	8.344	8.999	21.731	39.208	97.889	TOTAL
MEAN	1.95	2.59	2.95	1.48	1.40	0.667	0.658	0.269	0.300	0.701	1.31	3.16	MEAN
MAX	9.00	11.0	10.5	2.79	4.51	1.34	3.31	0.385	0.647	1.65	4.55	25.8	MAX
MIN	0.453	0.782	0.752	0.679	0.596	0.416	0.306	0.183	0.212	0.244	0.583	0.999	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.45
MAXIMUM DAILY, 25.8 ON DEC 30
MINIMUM DAILY, 0.183 ON AUG 09
MAXIMUM INSTANTANEOUS,
36.8 AT 09:32 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 57 55 N
LONG 080 32 35 W
DRAINAGE AREA, 93.2 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 220	JUL	1 760
FEB	6 250	AUG	721
MAR	7 910	SEP	778
APR	3 830	OCT	1 880
MAY	3 750	NOV	3 390
JUN	1 730	DEC	8 460

TOTAL DISCHARGE, 45 700 dam³

BIG OTTER CREEK AT TILLSONBURG - STATION NO. 02GC010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.74	3.78B	4.56B	5.43	2.12	1.85E	1.55	0.817	1.13	1.16	1.80	4.10	1
2	1.68	8.00B	3.83B	5.62	1.98	2.10E	1.44	0.753	1.07	1.12	1.74	3.53	2
3	1.73	5.88B	4.33B	6.69	1.92	2.45E	1.34	0.655	1.02	1.07	1.67	4.48	3
4	2.12B	4.36B	3.67B	6.55	2.06	2.90E	1.25	0.582	0.986	1.68	1.70	16.8	4
5	3.99B	3.56B	3.05B	5.76	2.32	2.60E	1.14	0.821	0.962	2.01	2.94	16.1	5
6	5.07B	3.88B	2.50B	4.87	2.24	2.30E	1.06	0.867	1.10	2.34	16.0	10.4	6
7	4.31B	3.95	2.20B	4.14	2.14	2.15E	1.06	0.877	1.46	1.90	14.5	7.30	7
8	3.65	6.67	2.05B	3.63	1.98	2.60E	1.03	0.771	1.19	1.57	10.0	5.93	8
9	3.07B	22.5	4.30B	3.23	1.86	2.90E	5.34	0.781	1.14	2.06	6.46	5.84	9
10	3.86B	25.6	7.00B	3.77	2.01	2.40E	7.03	0.803	1.22	2.77	5.49	8.34	10
11	5.10	16.5	16.0 B	8.80	1.92	2.07E	4.54	0.678	1.31	4.05	5.20	8.15	11
12	4.38B	9.75	39.0 B	8.52	1.89	1.90E	2.71	0.771	1.24	4.55	4.57	6.10	12
13	3.20B	6.84	35.7	5.98	3.19	1.80E	2.06	1.51	1.21	7.53	3.94	5.35	13
14	2.63B	6.65	31.1	4.93	4.75	1.70E	1.93	1.33	1.10	7.13	3.50	4.89	14
15	2.66B	5.66B	22.8	4.89	4.44	1.65E	1.99	1.15	1.78	4.89	3.27	4.14	15
16	2.83	4.97B	16.8	4.76	4.90	1.55E	1.95	1.19	1.93	3.52	3.17	4.22	16
17	11.9	4.20B	13.7	4.45	10.7 A	1.48E	1.81	1.33	1.95	2.78	3.09	4.20	17
18	44.7	3.70B	10.6	4.15	12.0 E	1.54E	1.59	1.10	1.63	2.86	2.90	5.78	18
19	31.0	3.49B	8.47	3.66	8.50E	1.40E	1.47	1.25	1.60	3.54	2.69	11.4	19
20	17.5	2.81B	7.35	3.56	6.50E	1.35E	1.47	1.29	1.47	3.51	2.54	9.62	20
21	10.8	2.53B	6.89	4.43	5.70E	1.33E	1.45	1.24 A	1.37	2.94	2.42	6.76	21
22	6.81B	7.00B	6.61	4.87	5.10E	1.55E	1.46	1.18 E	1.33	2.65	2.80	9.22	22
23	4.97B	42.3 B	7.05	4.25	4.40E	1.90E	1.52	1.13 A	1.27	2.45	4.58	19.3	23
24	5.62B	26.5 B	6.48	3.68	3.50E	2.40E	1.40	1.08	1.26	2.31	5.35	21.6	24
25	9.05B	16.0 B	5.28	3.23	3.10E	2.25E	1.30	1.07	1.23	2.19	4.50	11.5 B	25
26	12.6	11.0 B	4.57	2.96	2.70E	2.20A	1.21	1.03	1.18	2.10	3.71	7.29B	26
27	9.03	8.14B	4.02	2.67	2.40E	2.03	1.15	1.04	1.13	1.99	4.45	5.31B	27
28	7.79	5.76B	3.58	2.48	2.35E	1.88	1.05	1.54	1.09	1.94	6.84	4.87B	28
29	6.35B		3.39	2.36	2.28E	1.74	0.939	1.81	1.03	1.92	6.87	22.0 B	29
30	4.97B		3.94	2.26	2.12E	1.64	0.920	1.43	1.27	1.83	5.27	82.7	30
31	3.94B		4.97		2.00E		0.912	1.22		1.81		58.8	31
TOTAL	239.05	272.00	286.79	136.58	115.07	59.61	57.071	33.096	38.938	86.14	143.96	396.02	TOTAL
MEAN	7.71	9.71	9.25	4.55	3.71	1.99	1.84	1.07	1.30	2.78	4.80	12.8	MEAN
MAX	44.7	42.3	35.7	8.80	12.0	2.90	7.03	1.81	1.95	7.53	16.0	82.7	MAX
MIN	1.68	2.53	2.05	2.26	1.86	1.33	0.912	0.582	0.962	1.07	1.67	3.53	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.11
MAXIMUM DAILY, 82.7 ON DEC 30
MINIMUM DAILY, 0.582 ON AUG 04
MAXIMUM INSTANTANEOUS,
90.5 AT 14:49 EST ON DEC 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 51 40 N
LONG 080 43 10 W
DRAINAGE AREA, 342 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	20 700	JUL	4 930
FEB	23 500	AUG	2 860
MAR	24 800	SEP	3 360
APR	11 800	OCT	7 440
MAY	9 940	NOV	12 400
JUN	5 150	DEC	34 200

TOTAL DISCHARGE, 161 000 dam³

BIG OTTER CREEK NEAR CALTON - STATION NO. 02GC026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.00B	8.20B	10.5 B	12.9	4.83	4.54	4.69	2.29	3.36	3.54	3.90	9.03	1
2	3.86B	18.4 B	8.81B	13.7	4.53	4.31	3.82	2.06	3.19	3.20	3.81	7.60	2
3	3.98B	13.5 B	9.96B	15.8	4.34	5.73	3.50A	1.91	2.86	2.99	3.72	9.36	3
4	4.88B	10.1 B	8.44B	15.8	4.47	6.96	3.20E	1.95	2.75	5.54	3.64	39.7	4
5	9.18B	8.19B	7.01B	14.8	5.52	6.25	2.90E	2.30	2.70	7.30	5.48	39.2	5
6	11.7 B	8.92B	5.75B	13.1	5.13	5.71	2.80E	2.45	3.13	5.41	27.0	26.4	6
7	9.91B	9.09B	5.06B	11.3	4.71	5.09	2.75E	2.64	6.64	4.79	31.3	18.5	7
8	8.40B	13.4 B	4.72B	9.98	4.40	5.84	2.55E	2.40	4.62	4.09	21.6	14.6	8
9	7.06B	30.0 B	9.89B	8.99	4.19	6.97	14.0 E	2.19	3.51	5.25	14.3	13.2	9
10	8.88B	40.2 B	16.1 B	10.5	4.24	5.67	19.0 E	2.12	3.36	8.21	11.5	15.6	10
11	11.7 B	37.4	36.8 B	23.3	4.42	5.08	12.0 E	2.15	4.18	10.4	10.2	17.7	11
12	10.1 B	23.1	68.3	33.4	4.18	4.58	8.60E	2.10	3.57	10.9	9.14	14.3	12
13	7.36B	15.4	70.9	17.1	6.44	4.26	6.00E	1.56	3.25	18.2	8.04	11.9	13
14	6.05B	13.5	69.2	13.6	9.77	4.06	5.10E	1.89	2.79	15.9	7.42	11.0	14
15	6.12B	12.9	55.9	13.2	9.65	3.92	5.25E	2.97	7.79	11.6	6.52	9.59	15
16	6.51B	11.6	42.2	12.3	11.4	3.69	4.90E	2.67	5.44	8.35	6.23	11.5	16
17	26.0 B	9.00B	33.8	11.7	23.0	3.52	4.60E	2.89	4.96	6.51	6.12	10.9	17
18	35.0 B	7.60B	27.5	10.7	28.2	3.68	4.10E	2.83	4.31	6.61	5.82	13.1	18
19	63.9 B	6.80B	22.2	9.49	22.5	3.48	3.90E	2.81	3.95	7.97	5.47	23.4	19
20	40.3 B	6.30B	19.2	9.06	16.6	3.21	3.85E	2.96	4.22	7.69	5.20	22.8	20
21	24.8 B	5.82B	17.8	14.2	13.9	3.16	3.80E	2.85	3.75	6.72	4.94	17.0	21
22	19.7 B	16.1 B	16.9	13.2	13.4	3.22	3.85E	2.77	3.97	6.06	5.69	21.7	22
23	11.4 B	66.5 B	17.9	12.0	12.0	4.09	4.05E	2.70	3.70	5.78	8.68	38.7	23
24	12.2 B	50.0 B	16.9	9.63	9.60	5.33	3.70E	2.62	3.79	5.24	10.5	48.9	24
25	15.0 B	39.5 B	14.5	8.25	7.98	5.13	3.40E	2.53	3.58	4.90	9.50	33.3	25
26	20.0 B	25.3 B	12.6	7.32	6.92	4.89	2.92A	2.46	3.45	4.61	7.81	21.2	26
27	17.5 B	18.7 B	11.2	6.57	6.16	4.70	2.83	2.43	3.22	4.41	11.9	15.8	27
28	14.5 B	13.3 B	10.1	5.96	5.58	4.29	2.70	2.34	3.03	4.29	13.9	15.5	28
29	11.8 B		9.48	5.51	5.45	3.99	2.56	12.3	2.94	4.18	14.0	39.9	29
30	10.0 B		10.2	5.16	5.34	4.04	2.45	5.12	3.21	4.09	11.3	102	30
31	8.50B		12.0		4.89		2.45	3.84		3.99		136	31
TOTAL	446.29	538.82	681.82	358.02	273.74	139.39	152.22	100.10	115.72	208.72	293.63	827.38	TOTAL
MEAN	14.4	19.2	22.0	11.9	8.83	4.65	4.91	3.23	3.86	6.73	9.79	26.7	MEAN
MAX	63.9	66.5	70.9	23.4	28.2	6.97	19.0	12.3	7.79	18.2	31.3	136	MAX
MIN	3.86	5.82	4.72	5.16	4.18	3.16	2.45	1.91	2.70	2.99	3.64	7.60	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.3
MAXIMUM DAILY, 136 ON DEC 31
MINIMUM DAILY, 1.91 ON AUG 03
MAXIMUM INSTANTANEOUS,
144 AT 16:32 EST ON DEC 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 42 30 N
LONG 080 50 20 W
DRAINAGE AREA, 676 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	38 600	JUL	13 200
FEB	46 600	AUG	8 650
MAR	58 900	SEP	10 000
APR	30 900	OCT	18 000
MAY	23 700	NOV	25 400
JUN	12 000	DEC	71 500

TOTAL DISCHARGE, 357 000 dam³

BIGHEAD RIVER NEAR MEAFORD - STATION NO. 02FB010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.98B	4.73B	4.25B	10.8 E	3.58	1.68	4.77	1.26	0.435	1.19	1.62	7.63	1
2	1.87B	5.53B	4.15B	12.5 E	3.24	2.30	2.73	1.18	0.307	1.79	1.75	6.41	2
3	2.40B	4.92B	3.60B	14.1 E	3.08	2.39	1.96	0.935	0.311	1.19	1.41	5.40B	3
4	4.05B	4.62B	3.23B	13.6 E	2.78	2.15	1.71	0.678	0.528	1.19	1.48	5.55B	4
5	6.55B	4.27B	2.70B	11.1 E	3.45	1.79	1.49	0.840	0.732	1.46	3.74	5.75B	5
6	5.10B	3.96B	2.37B	8.95E	3.16	1.64	1.29	0.948	0.524	1.03	18.7	5.30B	6
7	4.45B	3.83B	2.15B	7.65E	3.01	1.56	1.11	0.885	0.537	0.958	10.4	5.03	7
8	3.93B	4.02B	1.96B	6.50E	2.78	1.46	1.22	0.909	0.467	0.909	7.58	4.75	8
9	3.74B	11.4	2.20B	5.95E	2.58	1.37	2.44	0.714	0.386	1.72	5.66	4.95	9
10	4.63B	10.9	3.48B	7.40E	2.64	1.26	1.75	0.603	0.487	4.09	5.05	7.02	10
11	4.17B	7.19	9.90B	10.7	2.81	1.29	1.36	0.731	0.626	5.52	4.61	5.60	11
12	3.82B	6.34	81.0 B	9.41	2.66	1.23	1.14	0.781	0.478	3.88	4.26	5.14	12
13	3.62B	5.76	72.6	7.93	2.52	1.33	0.987	1.09	0.379	2.89	3.80	7.56	13
14	3.43B	5.15B	44.0	8.00	2.46	1.28	0.968	0.990	0.458	2.41	3.50	5.90B	14
15	3.25B	4.50B	31.3	9.15	2.71	1.30	1.00	0.785	0.721	2.63	4.32	5.25B	15
16	3.15B	4.95B	23.0	8.23	2.61	1.20	0.986	0.760	0.743	2.21	4.27	4.97	16
17	10.3 B	4.75B	16.4 E	12.3	5.44	0.945	0.941	0.799	0.677	2.35	4.92	4.58	17
18	30.1 B	4.40B	13.6 E	9.85	7.57	1.21	0.911	0.726	0.672	2.89	3.94	6.25	18
19	16.7 B	4.55B	11.7 E	7.79	5.63	1.25	0.943	0.714	0.505	4.14	3.59	6.98	19
20	11.9 B	4.20B	10.7 E	7.23	7.18	1.08	1.91	0.660	0.557	3.04	3.30	4.80B	20
21	10.1 B	4.25B	10.3 E	9.46	8.84	1.07	1.68	0.724	0.515	2.67	3.02	4.55B	21
22	9.18B	4.35B	11.0 E	7.90	5.70	1.09	1.24	0.856	0.616	2.48	12.2	8.02	22
23	8.65B	6.00B	19.4 E	6.69	4.39	1.37	1.21	0.832	0.690	2.16	11.2	8.14	23
24	8.30B	5.05B	17.6 E	5.97	3.84	1.76	1.02	0.838	0.742	1.85	9.49	5.80B	24
25	9.70B	4.45B	13.7 E	5.73	3.12	1.74	0.855	0.513	0.791	1.99	7.84	4.85B	25
26	11.5 B	4.90B	12.5 E	5.14	2.79	1.40	0.809	0.441	0.634	1.97	6.26	4.30B	26
27	9.60B	5.05B	9.40E	4.58	2.59	1.21	0.913	0.438	0.546	1.73	12.7	4.00B	27
28	11.2 B	4.55B	8.40E	4.17	2.41	1.06	0.848	0.627	0.614	1.90	21.7	3.83B	28
29	7.32B		7.60E	3.89	2.10	5.68	0.736	0.707	0.566	2.11	15.1	24.0 B	29
30	5.56B		8.50E	3.81	1.89	6.15	1.02	0.543	0.835	1.79	9.69	43.4	30
31	5.00B		9.70E		1.82		1.73	0.625		1.67		16.8 B	31
TOTAL	225.25	148.57	472.47	246.48	111.38	52.245	43.687	23.232	17.079	69.867	207.10	242.51	TOTAL
MEAN	7.27	5.31	15.2	8.22	3.59	1.74	1.41	0.749	0.569	2.25	6.90	7.82	MEAN
MAX	30.1	11.4	81.0	14.1	8.84	6.15	4.77	1.26	0.835	5.62	21.7	43.4	MAX
MIN	1.87	3.83	1.96	3.81	1.82	0.945	0.736	0.438	0.307	0.909	1.41	3.83	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.10
MAXIMUM DAILY, 81.0B ON MAR 12
MINIMUM DAILY, 0.307 ON SEP 02
MAXIMUM INSTANTANEOUS,
101 AT 11:46 EST ON MAR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 34 10 N
LONG 080 39 00 W
DRAINAGE AREA, 293 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	19 500	JUL	3 770
FEB	12 800	AUG	2 010
MAR	40 800	SEP	1 480
APR	21 300	OCT	6 040
MAY	9 620	NOV	17 900
JUN	4 510	DEC	21 000

TOTAL DISCHARGE, 161 000 dam³

BLACK ASH CREEK AT COLLINGWOOD - STATION NO. 02ED025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.104B	0.382B	0.332B	0.362	0.104	0.062	0.220	0.035	0.011	0.041	0.085	0.259	1
2	0.095B	0.485B	0.290B	1.52	0.094	0.126	0.078	0.028	0.012	0.050	0.077	0.204	2
3	0.175B	0.319B	0.252B	2.99	0.089	0.087	0.053	0.026	0.011	0.033	0.072	0.146	3
4	0.335B	0.173B	0.224B	1.91	0.090	0.075	0.036	0.020	0.011	0.031	0.067	0.240B	4
5	0.695B	0.156B	0.203B	1.08	0.131	0.061	0.046	0.028	0.024	0.031	0.876	0.191B	5
6	0.615B	0.177	0.128B	0.605	0.080	0.062	0.031	0.031	0.021	0.028	2.30	0.168B	6
7	0.520B	0.192	0.115B	0.475	0.084	0.047	0.035	0.034	0.030	0.026	0.635	0.150B	7
8	0.460B	0.325	0.120B	0.388	0.086	0.051	0.048	0.028	0.020	0.028	0.424	0.142B	8
9	0.425B	2.02	0.130B	0.357	0.074	0.057	0.060	0.030	0.010	0.125	0.320	0.480B	9
10	0.455B	0.880B	0.322B	0.827	0.111	0.046	0.042	0.022	0.029	0.223	0.284	1.77	10
11	0.385B	0.450B	2.09 B	1.39	0.105	0.054	0.034	0.017	0.013	0.204	0.274	0.510B	11
12	0.350B	0.310	13.0	0.997	0.085	0.033	0.030	0.018	0.014	0.081	0.227	0.415B	12
13	0.314B	0.443	6.60	0.683	0.088	0.045	0.029	0.034	0.014	0.068	0.181	1.12	13
14	0.288B	0.445B	3.56	0.643	0.071	0.044	0.028	0.036	0.017	0.054	0.169	0.430B	14
15	0.269B	0.258B	2.14	0.747	0.088	0.037	0.033	0.017	0.045	0.046	0.270	0.360B	15
16	0.259B	0.228B	1.25	0.553	0.098	0.030	0.033	0.025	0.014	0.043	0.253	0.347	16
17	2.20 B	0.211B	0.943	1.09	0.881	0.026	0.027	0.025	0.022	0.043	0.194	0.317	17
18	5.51	0.200B	0.650B	0.582	0.584	0.036	0.024	0.025	0.019	0.053	0.149	0.712	18
19	1.15 B	0.194B	0.460B	0.412	0.302	0.034	0.035	0.024	0.024	0.092	0.129	0.780	19
20	0.730B	0.186B	0.368B	0.431	1.47	0.033	0.039	0.021	0.012	0.079	0.120	0.350B	20
21	0.360B	0.262B	0.330B	0.687	1.01	0.032	0.029	0.024	0.015	0.059	0.111	0.712	21
22	0.322B	0.350B	0.409	0.464	0.409	0.042	0.034	0.022	0.019	0.047	0.312	1.97	22
23	0.290	0.660B	0.703	0.350	0.252	0.068	0.038	0.025	0.028	0.048	0.287	1.08	23
24	0.597	0.565B	0.435B	0.274	0.171	0.093	0.026	0.025	0.020	0.042	0.264	0.525B	24
25	1.05	0.495B	0.373B	0.237	0.125	0.067	0.022	0.018	0.034	0.199	0.244	0.239B	25
26	1.26	0.405B	0.308B	0.196	0.122	0.044	0.021	0.019	0.011	0.166	0.184	0.164B	26
27	0.845B	0.368B	0.268B	0.179	0.086	0.035	0.019	0.016	0.013	0.091	0.788	0.126B	27
28	1.15 B	0.345B	0.236B	0.150	0.079	0.035	0.016	0.021	0.027	0.105	0.854	0.141B	28
29	0.632B		0.212B	0.126	0.075	0.278	0.014	0.018	0.010	0.206	0.478	4.30 B	29
30	0.392B		0.300	0.116	0.066	0.321	0.053	0.013	0.041	0.155	0.314	2.57	30
31	0.301B		0.458		0.057		0.052	0.013		0.111		0.720B	31
TOTAL	22.533	11.484	37.209	20.821	7.167	2.061	1.285	0.738	0.591	2.608	10.942	21.638	TOTAL
MEAN	0.727	0.410	1.20	0.694	0.231	0.069	0.042	0.024	0.020	0.084	0.365	0.698	MEAN
MAX	5.51	2.02	13.0	2.99	1.47	0.321	0.220	0.036	0.045	0.223	2.30	4.30	MAX
MIN	0.095	0.156	0.115	0.116	0.057	0.026	0.014	0.013	0.010	0.026	0.067	0.126	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.381
MAXIMUM DAILY, 13.0 ON MAR 12
MINIMUM DAILY, 0.010 ON SEP 09
MAXIMUM INSTANTANEOUS,
15.5 AT 18:02 EST ON MAR 12

REMARKS - STATION ACTIVATED JUNE 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 30 05 N
LONG 080 14 17 W
DRAINAGE AREA, 30.5 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 950	JUL	111
FEB	992	AUG	63.8
MAR	3 210	SEP	51.1
APR	1 800	OCT	225
MAY	619	NOV	945
JUN	178	DEC	1 870

TOTAL DISCHARGE, 12 000 dam³

BLACK CREEK BELOW ACTON - STATION NO. 02HB024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.108	0.224	0.237	0.272	0.150	0.140E	0.128	0.088	0.120	0.173	0.156	0.229	1
2	0.104	0.250	0.233	0.318	0.134	0.135E	0.117	0.096	0.114	0.160	0.157	0.213	2
3	0.105	0.222	0.235	0.336	0.118A	0.130E	0.117	0.089	0.109	0.141	0.159	0.283	3
4	0.154	0.256	0.213	0.326	0.120E	0.200E	0.131	0.091	0.112	0.214	0.155	0.576	4
5	0.140	0.183	0.191	0.288	0.300E	0.180E	0.117	0.108	0.106	0.187	0.359	0.479	5
6	0.132	0.182	0.173	0.253	0.260E	0.160E	0.112	0.102	0.107	0.177	0.852	0.397	6
7	0.130	0.181	0.160	0.231	0.230E	0.150E	0.111	0.099	0.108	0.154	0.489	0.331	7
8	0.128	0.226	0.156	0.221	0.200E	0.160E	0.108	0.100	0.102	0.176	0.340	0.301	8
9	0.127	0.480	0.164	0.214	0.180E	0.170E	0.115	0.096	0.108	0.368	0.279	0.295	9
10	0.139	0.470	0.183	0.332	0.165E	0.165E	0.088	0.097	0.122	0.396	0.271	0.297	10
11	0.144	0.326B	0.416	0.442	0.150E	0.160E	0.095	0.349	0.118	0.355	0.246	0.274	11
12	0.141	0.226B	1.56	0.342	0.145E	0.155E	0.094	0.864	0.121	0.480	0.238	0.268	12
13	0.133	0.279	1.97	0.299	0.140E	0.150E	0.096	1.02	0.100	0.596	0.212	0.379	13
14	0.126	0.315	1.46	0.293	0.230E	0.145E	0.102	0.488	0.149	0.369	0.213	0.348	14
15	0.128	0.289B	1.08	0.316	0.170E	0.140E	0.139	0.290	0.162	0.278	0.235	0.294	15
16	0.124	0.273B	0.854	0.294	0.260E	0.137E	0.107	0.210	0.133	0.229	0.236	0.284	16
17	0.238B	0.224	0.700	0.313	0.350E	0.134E	0.123	0.168	0.129	0.372	0.224	0.562	17
18	0.591B	0.204	0.553	0.263	0.450E	0.130E	0.107	0.148	0.120	0.433	0.216	0.378	18
19	0.340B	0.189	0.446	0.238	0.400E	0.128E	0.098	0.157	0.123	0.356	0.209	0.412	19
20	0.263B	0.176	0.373	0.268	0.350E	0.126E	0.123	0.145	0.119	0.269	0.202	0.338	20
21	0.243	0.172	0.343	0.311	0.500E	0.124E	0.101	0.139	0.114	0.235	0.194	0.347	21
22	0.218	0.480	0.388	0.295	0.400E	0.120E	0.145	0.139	0.118	0.211	0.291	0.567	22
23	0.194	0.964	0.461	0.267	0.350E	0.140E	0.137	0.136	0.123	0.198	0.303	0.910	23
24	0.244	0.621	0.376	0.244	0.300E	0.300E	0.114	0.126	0.123	0.197	0.292	0.681	24
25	0.277	0.438B	0.329	0.223	0.250E	0.270E	0.106	0.122	0.119	0.186	0.265	0.460	25
26	0.309	0.358B	0.290	0.204	0.220E	0.230E	0.098	0.120	0.119	0.185	0.239	0.366	26
27	0.258	0.295	0.258	0.194	0.190E	0.190E	0.102	0.122	0.121	0.168	0.284	0.302	27
28	0.285	0.254	0.239	0.186	0.170E	0.230E	0.096	0.365	0.110	0.158	0.301	0.292	28
29	0.248B		0.257	0.176	0.160E	0.250A	0.114	0.207	0.115	0.150	0.274	1.17	29
30	0.230B		0.252	0.161	0.150E	0.148	0.160	0.158	0.221	0.152	0.242	1.84	30
31	0.203		0.265		0.145E		0.098	0.136		0.163		0.925	31
TOTAL	6.204	8.717	14.785	8.120	7.337	4.997	3.499	6.577	3.665	7.904	8.133	14.498	TOTAL
MEAN	0.200	0.311	0.477	0.271	0.237	0.167	0.113	0.212	0.122	0.255	0.271	0.468	MEAN
MAX	0.591	0.964	1.97	0.442	0.500	0.300	0.160	1.02	0.221	0.596	0.852	1.84	MAX
MIN	0.104	0.172	0.156	0.161	0.118	0.120	0.088	0.088	0.100	0.141	0.155	0.213	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.259
MAXIMUM DAILY, 1.97 ON MAR 13
MINIMUM DAILY, 0.088 ON JUL 10
MAXIMUM INSTANTANEOUS,
2.57 AT 22:31 EST ON AUG 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 37 46 N
LONG 080 00 41 W
DRAINAGE AREA, 18.9 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	536	JUL	302
FEB	753	AUG	568
MAR	1 280	SEP	317
APR	702	OCT	683
MAY	634	NOV	703
JUN	432	DEC	1 250

TOTAL DISCHARGE, 8 160 dam³

BLACK CREEK NEAR WESTON - STATION NO. 02HC027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.667	0.600	0.430B	0.464	0.245	0.241	0.399	0.275	0.185	0.575	0.203	0.237	1
2	0.305	0.683	1.29	0.907	0.238	0.241	0.257	0.232	0.196	0.410	0.205	0.227	2
3	0.371	0.270B	1.00 B	0.810	0.238	1.72	0.204	0.213	0.189	0.252	0.204	1.58	3
4	3.21	0.270B	0.440B	1.49	0.340	0.710	0.213	0.224	0.220	2.71	0.232	4.19	4
5	1.20	0.290B	0.340B	0.921	2.07	0.268	0.247	3.12	0.236	0.756	3.44	0.939	5
6	0.295	0.611	0.300B	0.556	0.447	0.394	0.219	0.321	0.260	0.285	2.26	0.677	6
7	0.246	0.877	0.290B	0.500	0.256	0.229	0.190	0.217	0.251	0.218	0.517	0.656	7
8	0.274	1.73	0.390B	0.459	0.263	1.28	0.477	0.203	0.205	0.733	0.403	0.703	8
9	0.637	2.38	0.579	0.443	0.254	0.456	0.764	0.183	0.192	4.40	0.323	0.713	9
10	3.61	1.00 B	1.02	2.65	1.11	0.242	0.277	0.201	0.205	2.12	0.389	0.975	10
11	0.876	0.460B	3.63	1.91	0.509	0.201	0.242	0.483	0.192	1.49	0.387	0.573	11
12	0.460	0.352	2.40	0.789	0.298	0.265	0.246	3.95	0.212	6.35	0.305	0.478	12
13	0.243	0.801	2.72	0.594	1.93	1.76	0.233	8.04	0.201	2.35	0.260	0.791	13
14	0.227	0.810	1.62	1.12	0.473	0.320	0.271	1.16	2.49	0.524	0.247	0.507	14
15	0.322	0.340B	1.19	0.749	0.267	0.262	2.65	1.87	1.30	0.335	0.250	0.451	15
16	0.315	0.518	1.10	0.593	3.29	0.228	0.558	0.880	0.309	0.266	0.281	0.534	16
17	2.64	0.470B	1.00	1.23	2.25	0.221	1.09	0.322	0.206	3.39	0.250	0.399	17
18	2.32	0.370B	0.767	0.523	0.934	0.292	0.644	0.401	0.192	1.78	0.224	2.02	18
19	0.607	0.350B	0.779	0.452	0.511	0.235	0.340	1.67	0.490	0.683	0.221	1.11	19
20	0.300B	0.340B	0.644	2.02	5.55	0.215	2.75	0.466	0.304	0.348	0.224	0.530	20
21	0.290B	0.490B	0.590	1.20	1.30	0.375	0.449	0.271	0.248	0.274	0.233	2.14	21
22	0.280B	9.44	0.700	0.513	0.588	0.688	1.93	0.248	0.536	0.255	1.26	2.06	22
23	0.277B	6.59	0.804	0.410	0.454	1.02	2.11	0.237	0.302	0.243	0.553	7.82	23
24	2.58	1.49	0.545	0.359	0.365	0.575	0.344	0.233	0.222	0.236	0.298	1.58	24
25	1.61	0.690B	0.452	0.330	0.316	0.287	0.250	0.233	0.339	0.220	0.376	0.700B	25
26	1.40	0.490B	0.461	0.313	0.279	0.248	0.229	0.220	0.312	0.219	0.245	0.600B	26
27	0.440	0.390B	0.428	0.290	0.968	0.516	0.219	0.497	0.219	0.255	0.551	0.550B	27
28	0.409	0.310B	0.408	0.266	0.446	0.256	0.230	2.58	0.201	0.358	0.419	0.546	28
29	0.398		0.401	0.248	0.274	0.69	0.227	0.339	0.226	0.219	0.270	9.21	29
30	0.500B		0.822	0.245	0.259	0.769	1.01	0.234	3.41	0.209	0.247	4.55	30
31	0.431		0.592		0.245		0.603	0.204		0.205		1.30	31
TOTAL	27.740	33.402	34.932	23.354	26.947	17.224	19.872	29.727	13.850	32.668	15.277	49.246	TOTAL
MEAN	0.895	1.19	1.13	0.779	0.869	0.574	0.641	0.959	0.462	1.05	0.509	1.59	MEAN
MAX	3.61	9.44	9.20	2.65	5.55	2.69	2.75	8.04	3.41	6.35	3.44	9.21	MAX
MIN	0.227	0.270	0.290	0.245	0.238	0.201	0.190	0.183	0.185	0.205	0.203	0.227	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.886
MAXIMUM DAILY, 9.44 ON FEB 22
MINIMUM DAILY, 0.183 ON AUG 09
MAXIMUM INSTANTANEOUS,
43.1 AT 16:41 EST ON AUG 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 40 31 N
LONG 079 30 21 W
DRAINAGE AREA, 58 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 400	JUL	1 720
FEB	2 890	AUG	2 570
MAR	3 020	SEP	1 200
APR	2 020	OCT	2 820
MAY	2 330	NOV	1 320
JUN	1 490	DEC	4 250

TOTAL DISCHARGE, 28 000 dam³

BLACK RIVER AT BALDWIN - STATION NO. 02EC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.550B	2.15B	3.00B	3.94	2.50	0.964	1.70	0.407	0.528	1.16	1.26	2.21	1
2	0.540B	2.05B	5.60B	4.33	2.27	0.968	1.56	0.425	0.527	1.37	1.22	2.03	2
3	0.540B	1.98B	5.30B	5.39	2.05	1.19	2.96	0.423	0.513	1.27	1.19	1.80	3
4	0.790B	1.88B	5.10B	6.62	1.89	1.76	2.99	0.432	0.492	1.16	1.89	1.97	4
5	1.50 B	1.82B	1.90B	8.10	2.17	1.78	2.34	0.436	0.539	1.13	1.88	2.56	5
6	1.42 B	1.78B	1.75B	9.00	2.65	1.53	2.27	0.674	0.578	1.16	2.70	3.22	6
7	1.40 B	1.72B	1.65B	8.29	2.76	1.30	1.59	0.633	0.612	1.12	3.78	3.47	7
8	1.36 B	1.87B	1.55B	6.60	2.60	1.18	0.793	0.415	0.607	0.977	4.22	3.35	8
9	1.34 B	2.82B	1.45B	5.32	2.46	1.13	0.782	0.441	0.598	1.15	4.00	3.08	9
10	1.32 B	3.20B	1.40B	5.55	2.66	1.12	0.826	0.413	0.605	1.82	3.45B	3.11	10
11	1.30 B	3.80B	4.00B	8.02	2.61	1.06	0.762	0.413	0.608	3.35	2.86B	2.94	11
12	1.29 B	3.40B	30.0 B	10.4	2.51	0.998	0.549	0.415	0.583	3.52	2.60B	2.80	12
13	1.28 B	3.10B	77.5	10.1	2.23	0.968	0.324	0.426	0.579	3.52	2.50B	2.84	13
14	1.26 B	2.80B	52.5	7.70	2.07	0.992	0.343	0.458	0.585	3.82	2.33	2.65B	14
15	1.25 B	2.60B	34.3	6.12	1.92	1.43	0.364	0.582	0.645	3.81	2.28	2.40B	15
16	1.75 B	2.40B	23.2	5.32	1.80	2.03	0.409	0.641	0.722	3.36	2.49B	2.20B	16
17	3.00 B	2.30B	15.9	4.92	1.95	1.86	0.409	0.663	0.735	2.90	2.70B	1.99B	17
18	2.85 B	2.10B	12.1	4.82	2.39	1.36	0.548	0.677	0.714	2.66	2.66	2.20	18
19	2.70 B	2.05B	9.41	4.12	2.61	1.08	0.648	0.649	0.695	2.86	2.31	2.33	19
20	2.60 B	2.00B	7.21	3.82	2.91	0.926	0.787	0.622	0.691	2.87	1.99	2.62B	20
21	2.47 B	1.95B	5.52	4.63	4.04	0.893	0.887	0.608	0.699	2.69	1.80	2.74B	21
22	2.35 B	2.40B	5.23	5.27	5.81	0.897	0.940	0.600	1.47	2.38	2.09	3.07	22
23	2.28 B	2.60B	5.73	4.56	4.80	0.917	1.00	0.592	1.14	2.08	2.95	4.91	23
24	2.22 B	3.20B	5.84	4.33	2.78	0.925	1.04	0.583	0.921	1.87	3.40	5.01B	24
25	2.18 B	3.70B	5.38	5.32	1.93	0.953	0.943	0.574	0.741	1.68	3.45	4.50B	25
26	2.30 B	5.00B	4.75	2.84	1.95	0.898	0.815	0.573	0.690	1.54	3.23	3.98B	26
27	2.40 B	4.60B	4.18	1.96	1.73	0.794	0.710	0.549	0.677	1.43	2.96	3.47B	27
28	2.50 B	4.10B	3.67	2.90	1.50	0.758	0.632	0.549	0.654	1.37	2.89	3.01B	28
29	2.70 B		3.45	2.89	1.31	0.780	0.555	0.548	0.658	1.40	2.75	3.35	29
30	2.45 B		3.36	2.72	1.13	0.983	0.416	0.540	0.840	1.38	2.49	6.18	30
31	2.30 B		3.59		1.04		0.410	0.525		1.32		6.30	31
TOTAL	56.190	75.37	336.52	165.50	75.03	34.632	31.295	16.486	20.546	64.257	78.32	99.69	TOTAL
MEAN	1.81	2.69	10.9	5.52	2.42	1.15	1.01	0.532	0.685	2.07	2.61	3.22	MEAN
MAX	3.00	5.00	77.5	10.4	5.81	2.03	2.86	0.677	1.47	3.82	4.22	6.30	MAX
MIN	0.540	1.72	1.40	1.96	1.04	0.758	0.324	0.407	0.492	0.977	1.19	1.80	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.89
MAXIMUM DAILY, 77.5 ON MAR 13
MINIMUM DAILY, 0.324 ON JUL 13
MAXIMUM INSTANTANEOUS,
81.9 AT 11:06 EST ON MAR 13

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 15 39 N
LONG 079 20 40 W
DRAINAGE AREA, 274 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 850	JUL	2 700
FEB	6 510	AUG	1 420
MAR	29 100	SEP	1 780
APR	14 300	OCT	5 550
MAY	6 480	NOV	6 770
JUN	2 990	DEC	8 610

TOTAL DISCHARGE, 91 100 dam³

BLACK RIVER NEAR ACTINOLITE - STATION NO. 02HL003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.80B	4.80B	4.10B	12.3	10.2	2.11	1.89	1.06	0.450	0.365	0.968	4.94	1
2	2.77B	4.60B	3.76B	12.2	6.52	2.99	1.89	1.06	0.432	0.347	0.978	4.80	2
3	2.75B	4.45B	3.55B	14.5	5.20	2.01	1.74	1.06	0.421	0.359	0.986	4.60B	3
4	2.72B	4.30B	3.36B	18.5	4.57	2.12	1.59	1.05	0.410	0.413	0.972	4.85B	4
5	3.85B	4.17B	3.20B	21.2	4.21	2.09	1.49	1.11	0.403	0.411	1.13	6.80B	5
6	3.93B	4.10B	3.10B	20.9	4.13	1.92	1.43	1.17	0.402	0.387	1.55	7.60B	6
7	3.77B	3.97B	2.98B	18.7	4.80	1.82	1.37	1.11	0.411	0.364	5.28	7.35B	7
8	3.59B	3.92B	2.94B	16.7	5.43	1.89	1.30	1.06	0.419	0.340	5.43	7.00B	8
9	3.49B	4.30B	2.86B	15.1	5.72	1.90	1.48	1.02	0.437	0.407	5.55	6.75B	9
10	3.35B	5.45B	2.82B	14.5	6.18	2.22	1.41	1.01	0.441	0.680	2.77	6.60B	10
11	3.25B	5.35B	3.43B	16.0	7.01	2.15	1.31	1.01	0.424	0.661	3.03	6.53B	11
12	3.18B	5.00B	7.89B	16.8	6.70	1.97	1.22	0.994	0.396	0.586	3.03	6.00B	12
13	3.08B	4.82B	15.7 B	15.9	6.06	2.11	1.17	1.18	0.408	0.600	2.93	5.80B	13
14	2.99B	5.65B	22.9 B	14.9	5.58	2.09	1.15	1.21	0.416	0.632	2.78	5.65B	14
15	2.92B	5.25B	27.0 B	15.6	5.02	2.14	1.32	1.13	0.427	0.730	2.76	5.50B	15
16	2.85B	5.00B	30.5 B	16.2	4.72	2.16	1.40	1.15	0.414	0.687	3.10	5.45B	16
17	3.18B	4.75B	34.5	15.5	5.18	2.01	1.34	1.08	0.401	0.665	3.32	5.82B	17
18	5.35B	4.45B	34.6	14.7	7.13	1.90	1.22	1.06	0.403	0.757	3.35	6.41B	18
19	6.90B	4.25B	29.8	13.9	7.54	1.83	1.16	1.10	0.400	1.32	3.22	6.38B	19
20	6.15B	4.15B	26.0	13.0	7.44	1.73	1.18	1.04	0.425	1.29	3.14	6.30B	20
21	5.40B	4.05B	22.0	12.9	8.42	1.70	1.19	1.02	0.472	1.08	3.10	6.80B	21
22	5.00B	4.58B	20.2	12.9	9.24	1.93	1.24	1.02	0.582	1.11	3.20	8.70B	22
23	4.80B	7.00B	23.2	12.4	8.49	2.23	1.59	1.03	0.757	0.970	3.60	14.0	23
24	4.70B	7.60B	23.8	11.6	7.07	2.22	1.53	1.02	0.839	0.849	3.80	20.8	24
25	5.35B	6.40B	22.5 B	13.1	6.03	2.10	1.40	0.829	0.833	0.804	3.80	20.9	25
26	6.45B	5.62B	20.6 B	18.8	5.30	1.98	1.27	0.646	0.716	0.779	3.85	18.5	26
27	6.70B	5.05B	17.7 B	18.2	4.62	2.00	1.20	0.580	0.563	0.726	4.01	16.2	27
28	6.00B	4.67B	15.9 B	16.7	3.79	1.78	1.19	0.528	0.504	0.839	4.80	14.5	28
29	5.60B		14.5	15.0	3.31	1.73	1.16	0.511	0.414	0.926	5.18	16.0	29
30	5.30B		13.4	13.2	2.79	1.85	1.16	0.469	0.413	0.958	5.03	25.3	30
31	5.01B		12.4		2.40		1.09	0.460		0.978		29.3	31
TOTAL	134.18	137.70	472.19	461.9	180.80	59.68	42.04	29.777	14.433	22.020	87.644	312.13	TOTAL
MEAN	4.33	4.92	15.2	15.4	5.83	1.99	1.36	0.961	0.481	0.710	2.92	10.1	MEAN
MAX	6.90	7.60	34.6	21.2	10.2	2.23	1.89	1.21	0.839	1.32	5.18	29.3	MAX
MIN	2.72	3.92	2.82	11.6	2.40	1.70	1.09	0.460	0.396	0.340	0.968	4.60	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.35
MAXIMUM DAILY, 34.6 ON MAR 18
MINIMUM DAILY, 0.340 ON OCT 08
MAXIMUM INSTANTANEOUS,
35.9 AT 00:21 EST ON MAR 18

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 32 21 N
LONG 077 22 15 W
DRAINAGE AREA, 401 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	11 600	JUL	3 630
FEB	11 900	AUG	2 570
MAR	40 800	SEP	1 250
APR	39 900	OCT	1 900
MAY	15 600	NOV	7 570
JUN	5 160	DEC	27 000

TOTAL DISCHARGE, 169 000 dam³

BLACK RIVER NEAR MARATHON - STATION NO. 02BB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.32B	2.25B	1.39B	9.55B	176	19.9	21.2	7.88E	5.05E	8.07E	30.3E	13.9 B	1
2	1.28B	2.22B	1.38B	9.45B	156	18.6	22.1	7.47E	4.82E	7.65E	30.4E	13.4 B	2
3	1.22B	2.19B	1.36B	9.30B	133	18.5	20.9	7.09E	4.33E	7.60E	33.0E	13.2 B	3
4	1.19B	2.17B	1.34B	9.25B	106	20.1	19.8	7.09E	4.49E	10.1 E	34.3E	12.9 B	4
5	1.14B	2.13B	1.33B	9.15B	87.5	20.3	19.0	7.60E	4.25E	11.1 E	34.3E	12.6 B	5
6	1.11B	2.10B	1.32B	9.10B	74.1	20.8	17.9	8.02E	4.13E	11.2 E	32.8E	12.4 B	6
7	1.06B	2.06B	1.31B	9.05B	64.3	21.2	16.4	7.47E	3.96E	11.6 E	30.6E	12.2 B	7
8	1.03B	2.03B	1.30B	8.95B	58.3	21.0	16.5	7.09E	3.83E	11.9 E	27.5E	11.8 B	8
9	1.00B	2.01B	1.31B	8.90B	54.6	21.2	18.3	6.91E	3.77E	11.7 E	25.5E	11.7 B	9
10	2.97B	1.98B	1.36B	8.85B	50.7	21.2	18.3	7.05E	3.65E	11.2 E	23.6E	11.6 B	10
11	2.93B	1.96B	1.49B	8.80B	47.7	20.7	17.5	7.28E	3.45E	10.6 E	21.7E	11.4 A	11
12	2.89B	1.93B	1.62B	8.75B	45.3	20.0	16.9	7.47E	3.78E	10.2 E	17.5E	11.2 B	12
13	2.83B	1.90B	1.83B	8.80B	42.7	19.4	16.1	7.47E	3.51E	10.3 E	14.5E	11.0 B	13
14	2.80B	1.88B	2.20B	8.85B	39.9	18.8	15.1	7.33E	3.77E	10.9 E	15.3E	10.8 B	14
15	2.77B	1.85B	3.20B	8.90B	39.0	18.0	13.3	7.09E	3.70E	13.0 E	20.0E	10.7 B	15
16	2.72B	1.83B	7.00B	8.95B	39.0	17.0	11.8	6.72E	3.74E	14.5 E	20.1E	10.5 B	16
17	2.69B	1.79B	8.00B	9.20B	43.3	16.5	11.0	6.45E	3.51E	17.5 E	18.9E	10.4 B	17
18	2.67B	1.77B	9.00B	10.2 B	47.5	17.4	13.1	6.91E	3.44E	18.2 E	16.6E	10.3 B	18
19	2.63B	1.73B	9.65B	12.3 B	47.3	17.8	14.7	6.96E	3.47E	18.2 E	17.1E	10.2 B	19
20	2.59B	1.69B	9.90B	15.1 B	44.7	17.0	14.5 E	6.72E	3.43E	18.6 E	16.6E	10.0 B	20
21	2.56B	1.67B	10.1 B	29.0 B	41.7	16.6	13.7 E	6.40E	4.73E	26.6 E	21.5E	9.88B	21
22	2.51B	1.63B	10.2 B	45.8	38.8	16.4	13.4 E	6.07E	7.05E	30.2 E	24.7E	9.70B	22
23	2.47B	1.59B	10.2 B	66.5	36.2	16.0	12.6 E	5.66E	7.19E	31.4 E	30.4E	9.60B	23
24	2.43B	1.56B	10.1 B	91.6	33.6	15.2	11.7 E	5.27E	8.21E	34.9 E	26.0E	9.48B	24
25	2.40B	1.52B	10.0 B	125	31.6	14.5	10.9 E	5.15E	9.69E	35.3 E	20.7E	9.35B	25
26	2.38B	1.49B	9.98B	164	29.8	14.1	10.2 E	5.10E	10.7 E	34.4 E	16.5E	9.25B	26
27	2.35B	1.46B	9.90B	191	27.9	13.5	9.78E	5.10E	10.6 E	34.4 E	15.7B	9.10B	27
28	2.33B	1.45B	9.80B	212	26.0	12.6	9.32E	5.19E	9.86E	35.4 E	15.2B	9.00B	28
29	2.30B		9.75B	222	24.1	12.4	8.96E	5.24E	9.23E	34.7 E	14.7B	8.90B	29
30	2.29B		9.70B	196	22.3	13.3	8.67E	5.24E	8.58E	33.2 E	14.3B	8.75B	30
31	2.28B		9.65B		21.3		8.35E	5.10E		31.6 E		8.68B	31
TOTAL	85.14	51.86	176.67	1 524.30	1 730.5	532.0	451.88	203.59	164.14	603.22	690.5	333.89	TOTAL
MEAN	2.75	1.85	5.70	50.8	55.8	17.7	14.6	6.57	5.47	19.5	23.0	10.8	MEAN
MAX	3.32	2.25	10.2	213	176	21.2	22.1	8.02	10.7	35.4	34.7	13.9	MAX
MIN	2.28	1.45	1.30	8.75	21.3	12.4	8.35	5.10	3.43	7.60	14.3	8.68	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.9
MAXIMUM DAILY, 213 ON APR 28
MINIMUM DAILY, 1.30B ON MAR 08
MAXIMUM INSTANTANEOUS,
218 AT 22:30 EST ON APR 28

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 41 20 N
LONG 086 12 45 W
DRAINAGE AREA, 1 980 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	7 360	JUL	32 000
FEB	4 480	AUG	17 600
MAR	15 300	SEP	14 200
APR	132 000	OCT	52 100
MAY	150 000	NOV	59 700
JUN	46 000	DEC	28 800

TOTAL DISCHARGE, 567 000 dam³

BLACK RIVER NEAR WASHAGO - STATION NO. 02EC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.0B	26.5B	18.0B	46.4	37.6	18.3	4.12	2.53	0.645	0.987	4.70	80.5	1
2	12.0B	25.5B	17.2B	45.3	35.1	17.2	4.26	2.66	0.620	1.06	4.51	74.6	2
3	11.8B	24.5B	16.4B	54.0	32.2	16.8	4.00	2.60	0.592	1.21	4.38	66.4	3
4	15.0B	23.7B	15.8B	65.3	29.8	16.2	3.67	2.39	0.561	1.44	4.34	59.9	4
5	18.5B	23.1B	15.4B	74.3	28.0	15.0	3.34	2.29	0.549	1.63	4.45	54.4	5
6	18.4B	22.6B	15.0B	76.4	26.0	13.8	3.15	2.18	0.562	1.76	8.01	50.5	6
7	18.2B	22.2B	14.8B	73.4	24.6	12.8	2.96	2.05	0.582	2.06	14.3	47.4	7
8	17.9B	23.0B	14.6B	68.9	26.0	13.0	2.89	2.25	0.595	5.14	16.4	43.7	8
9	17.5B	26.0B	14.4B	64.7	26.6	12.3	3.28	2.05	0.647	2.21	16.2	40.6	9
10	17.1B	27.0B	14.3B	63.4	26.7	12.5	3.63	1.81	0.735	2.58	15.6	38.2	10
11	16.9B	26.0B	14.2B	66.5	28.6	13.2	3.52	1.70	0.717	3.33	15.1	35.2	11
12	16.4B	25.0B	20.0B	65.2	28.6	11.7	3.10	1.60	0.680	4.23	14.8	32.3	12
13	16.0B	23.7B	37.0B	62.0	27.1	10.5	2.71	1.93	0.659	4.73	13.9	33.5	13
14	15.7B	22.8B	66.0B	58.3	25.5	9.73	2.49	2.35	0.650	4.51	12.5	29.2	14
15	15.4B	22.2B	100 B	57.9	24.2	9.13	2.45	2.33	0.720	4.32	13.6	32.1	15
16	15.0B	21.9B	119 B	57.7	23.5	8.55	2.42	2.21	0.787	4.41	16.1	29.2	16
17	18.0B	21.6B	122 B	57.2	24.8	7.90	2.45	1.90	0.883	4.88	17.8	29.8	17
18	24.0B	21.4B	117	56.8	33.3	7.42	2.55	1.82	0.864	5.54	20.3	28.0	18
19	33.0B	21.1B	109	54.0	40.1	6.58	2.52	1.63	0.806	6.59	20.6	29.9	19
20	35.0B	21.0B	104	50.8	41.0	5.99	2.91	1.41	0.749	7.57	19.9	32.3	20
21	34.0B	21.0B	97.3	49.2	42.1	5.71	3.11	1.23	0.755	7.08	19.6	32.8	21
22	33.2B	21.0B	91.3	47.9	42.5	5.77	3.16	1.08	0.799	6.65	25.9	29.0	22
23	32.7B	25.0B	91.3	45.5	40.1	5.79	3.10	0.977	0.814	6.76	45.1	35.0	23
24	32.2B	24.0B	89.4	43.2	36.6	5.88	3.05	0.907	0.829	7.67	52.5	36.1	24
25	32.0B	22.8B	84.5	44.4	33.3	5.79	3.13	0.888	0.841	6.87	52.5	36.0	25
26	34.0B	21.3B	78.5	49.3	30.1	5.34	3.19	0.871	0.878	6.12	50.6	35.8	26
27	33.0B	20.3B	71.3	48.1	27.7	4.89	2.94	0.851	0.864	5.50	52.5	37.3	27
28	31.5B	19.3B	63.9	45.3	25.8	4.45	2.83	0.801	0.829	5.33	69.3	39.5	28
29	29.5B		56.4	42.5	23.7	4.32	2.75	0.766	0.807	5.35	80.3	39.3	29
30	28.5B		51.9	40.0	21.7	4.11	2.64	0.748	0.859	5.20	82.9	56.6	30
31	27.5B		49.7		19.8		2.59	0.732		4.96		67.6	31
TOTAL	710.9	645.5	1 793.5	1 673.9	932.7	290.65	94.81	51.541	21.878	134.667	788.69	1 312.7	TOTAL
MEAN	22.9	23.1	57.9	55.8	30.1	9.69	3.06	1.66	0.729	4.34	26.3	42.3	MEAN
MAX	35.0	27.0	122	76.4	42.5	18.3	4.16	2.66	0.883	7.67	82.9	80.5	MAX
MIN	11.0	19.3	14.2	40.0	19.8	4.11	2.42	0.732	0.549	0.987	4.34	28.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 23.1
MAXIMUM DAILY, 122B ON MAR 17
MINIMUM DAILY, 0.549 ON SEP 05

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 42 46 N
LONG 079 16 54 W
DRAINAGE AREA, 1 520 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	61 400	JUL	8 190
FEB	55 800	AUG	4 450
MAR	155 000	SEP	1 890
APR	145 000	OCT	11 600
MAY	80 600	NOV	68 100
JUN	25 100	DEC	113 000

TOTAL DISCHARGE, 730 000 dam³

BLACK STURGEON RIVER AT HIGHWAY NO. 17 - STATION NO. 02AC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.78B	5.54B	5.33B	5.22B	76.1	48.5	39.5	19.3	10.8	8.34	18.8	12.2B	1
2	5.77B	5.53B	5.31B	5.25B	74.0	46.4	38.5	18.3	10.6	8.43	18.6	12.2B	2
3	5.76B	5.52B	5.30B	5.35B	71.7	48.2	38.1	17.5	10.2	9.31	18.5	12.1B	3
4	5.75B	5.52B	5.29B	5.45B	70.6	49.0	38.3	17.3	9.82	10.7	18.2	12.0B	4
5	5.74B	5.51B	5.27B	5.55B	70.5	46.8	38.3	17.6	9.47	11.2	18.0	12.0B	5
6	5.73B	5.50B	5.25B	5.65B	71.0	45.3	37.4	17.4	9.26	11.8	17.5	11.9B	6
7	5.72B	5.50B	5.24B	5.85B	73.3	44.5	36.3	16.7	9.03	12.4	17.1	11.9B	7
8	5.70B	5.49B	5.22B	6.00B	81.7	42.8	38.0	16.0	8.81	12.1	16.7	11.8B	8
9	5.69B	5.48B	5.22B	6.25B	88.9	43.0	40.1	15.7	8.43	11.5	16.6	11.8B	9
10	5.67B	5.47B	5.22B	6.45B	90.3	42.0	39.2	15.3	8.20	11.2	16.2	11.8B	10
11	5.66B	5.46B	5.21B	6.65B	87.6	40.6	37.4	14.7	7.95	10.9	16.1	11.7B	11
12	5.66B	5.45B	5.21B	6.95B	84.4	40.5	35.8	14.3	7.93	10.9	14.1	11.7B	12
13	5.65B	5.45B	5.21B	7.30B	82.0	40.6	34.3	13.8	7.79	11.7	13.6	11.6B	13
14	5.65B	5.44B	5.20B	7.80B	80.0	39.4	33.0	13.2	8.04	11.8	16.4	11.6B	14
15	5.64B	5.43B	5.20B	8.40B	78.6	37.8	31.6	12.7	8.30	12.0	16.3	11.5B	15
16	5.63B	5.42B	5.19B	9.30B	79.4	35.9	30.2	12.6	8.31	11.9	14.8	11.5B	16
17	5.63B	5.41B	5.18B	10.7 B	90.7	36.1	29.5	12.4	8.10	12.0	14.4	11.5B	17
18	5.62B	5.40B	5.18B	12.5 B	93.3	43.9	31.0	12.5	7.88	13.1	14.1	11.4B	18
19	5.62B	5.40B	5.17B	14.5 B	89.5	46.2	29.9	12.1	7.91	13.8	14.3	11.4B	19
20	5.61B	5.39B	5.16B	17.7 E	83.7	43.6	28.6	11.5	7.91	13.6	13.7	11.3B	20
21	5.60B	5.39B	5.15B	21.0 E	79.1	42.0	27.4	11.0	8.17	16.9	14.1	11.3B	21
22	5.60B	5.38B	5.16B	26.0 E	75.0	41.8	26.3	10.7	8.97	20.0	15.4	11.3B	22
23	5.59B	5.37B	5.16B	34.1 E	71.6	40.6	25.0	10.3	9.78	20.9	16.1	11.2B	23
24	5.59B	5.37B	5.16B	41.2	68.8	39.1	26.9	9.92	10.1	21.0	15.7	11.2B	24
25	5.58B	5.36B	5.16B	50.6	66.1	37.9	25.9	9.85	9.88	21.1	13.9	11.1B	25
26	5.58B	5.36B	5.16B	55.6	63.6	39.5	24.8	9.87	9.49	20.4	12.8	11.1B	26
27	5.57B	5.35B	5.17B	58.4	61.5	40.6	23.6	10.1	9.17	20.0	12.7B	11.1B	27
28	5.56B	5.34B	5.17B	75.8	59.1	39.4	22.7	10.7	8.78	20.6	12.5B	11.0B	28
29	5.56B		5.18B	83.0	56.3	38.9	21.8	10.9	8.57	20.1	12.4B	11.0B	29
30	5.55B		5.19B	78.1	53.6	39.5	21.1	10.6	8.31	19.6	12.3B	11.0B	30
31	5.55B		5.20B		50.9		20.1	10.5		19.2		10.9B	31
TOTAL	175.00	152.23	161.40	684.92	2 322.9	1 260.4	971.6	415.34	265.96	448.48	461.5	357.1	TOTAL
MEAN	5.65	5.44	5.21	22.8	74.9	42.0	31.3	13.4	8.87	14.5	15.4	11.5	MEAN
MAX	5.78	5.54	5.33	83.0	93.3	48.5	40.1	19.3	10.8	21.1	18.8	12.2	MAX
MIN	5.55	5.34	5.15	5.22	50.9	35.9	20.1	9.85	7.79	8.34	12.3	10.9	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 21.0
MAXIMUM DAILY, 93.3 ON MAY 18
MINIMUM DAILY, 5.15B ON MAR 21
MAXIMUM INSTANTANEOUS,
94.0 AT 11:40 EST ON MAY 18

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 54 13 N
LONG 088 22 38 W
DRAINAGE AREA, 2 980 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	15 100	JUL	83 900
FEB	13 200	AUG	35 900
MAR	13 900	SEP	23 000
APR	59 200	OCT	38 700
MAY	201 000	NOV	39 900
JUN	109 000	DEC	30 900

TOTAL DISCHARGE, 664 000 dam³

BLACKWATER RIVER AT BEARDMORE - STATION NO. 02AD010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.37B	1.04 B	0.955B	3.07	65.9	8.28	6.98	2.05	1.12	2.87	8.55	4.08B	1
2	1.35B	1.03 B	0.965B	3.01	63.9	7.79	6.95	1.89	1.10	3.03	8.31	4.04B	2
3	1.32B	1.02 B	0.975B	3.20	59.9	7.39	7.22	1.75	1.04	3.22	8.03	3.99B	3
4	1.30B	1.01 B	0.980B	3.37	54.4	6.96	7.36	1.69	1.07	3.42	7.73	3.93B	4
5	1.29B	1.00 B	0.990B	3.46	48.5	6.61	7.27	1.61	1.02	3.49	7.47	3.87B	5
6	1.28B	0.990B	0.995B	3.53	42.3	6.38	7.08	1.50	0.994	3.67	7.11	3.79B	6
7	1.27B	0.980B	1.00 B	3.58	37.2	6.07	7.12	1.44	0.988	3.84	6.76	3.69B	7
8	1.25B	0.970B	1.01 B	3.65	32.7	6.00	7.21	1.40	0.961	3.96	6.47	3.58B	8
9	1.24B	0.960B	1.03 B	3.72	28.9	6.27	7.31	1.48	0.960	4.17	6.18	3.48B	9
10	1.23B	0.950B	1.04 B	3.75	26.0	6.41	7.45	1.42	0.994	4.38	5.89	3.38B	10
11	1.22B	0.940B	1.06 E	3.71	23.6	6.41	7.79	1.35	0.974	4.59	5.66	3.28B	11
12	1.21B	0.930B	1.08 E	3.65	21.8	6.57	8.01	1.30	1.06	4.94	5.43	3.18B	12
13	1.20B	0.920B	1.12 E	3.59	20.5	6.75	8.04	1.30	1.05	5.17	5.21	3.10B	13
14	1.19B	0.910B	1.16 E	3.64	19.6	6.78	7.78	1.24	1.11	5.21	5.02	3.02B	14
15	1.18B	0.900B	1.22 E	3.67	18.5	6.66	7.41	1.15	1.14	5.29	4.82	2.97B	15
16	1.18B	0.885B	1.37	3.69	17.9	6.47	6.96	1.13	1.16	5.39	4.61	2.88B	16
17	1.17B	0.875B	1.41	3.76	17.9	6.37	6.44	1.18	1.17	5.53	4.43	2.82B	17
18	1.16B	0.865B	1.44	3.91	17.8	6.59	5.94	1.15	1.15	5.79	4.30	2.75B	18
19	1.16B	0.865B	1.51	4.13	17.8	6.68	5.53	1.08	1.20	5.88	4.15	2.69B	19
20	1.15B	0.875B	1.62	4.49	17.7	6.61	5.12	1.01	1.20	5.87	4.01	2.64B	20
21	1.14B	0.890B	1.76	5.07	17.3	6.85	4.75	0.969	1.29	6.02	4.07	2.58B	21
22	1.13B	0.900B	1.90	5.90	16.8	7.30	4.46	0.930	1.56	6.22	4.12	2.52B	22
23	1.12B	0.905B	2.08	7.98	16.0	7.63	4.11	0.919	1.64	6.40	4.15	2.48B	23
24	1.12B	0.915B	2.25	13.1	15.1	7.84	3.83	0.906	1.65	6.92	4.18	2.44B	24
25	1.11B	0.920B	2.37	22.1	14.1	7.99	3.62	0.897	1.68	7.51	4.19	2.40B	25
26	1.10B	0.925B	2.49	32.3	13.3	8.18	3.41	0.973	1.82	8.04	4.19B	2.35B	26
27	1.09B	0.935B	2.62	43.3	12.4	8.00	3.23	1.05	2.08	8.54	4.18B	2.30B	27
28	1.08B	0.945B	2.61	51.6	11.5	7.61	2.95	1.21	2.30	8.78	4.16B	2.26B	28
29	1.07B		2.66	58.9	10.5	7.31	2.70	1.21	2.56	8.91	4.14B	2.22B	29
30	1.06B		2.70	63.9	9.70	7.18	2.44	1.16	2.71	9.00	4.12B	2.18B	30
31	1.05B		2.86		8.91		2.22	1.12		8.83		2.14B	31
TOTAL	36.79	26.250	49.170	376.73	798.41	209.94	178.69	39.464	40.751	174.88	161.64	93.03	TOTAL
MEAN	1.19	0.938	1.59	12.6	25.8	7.00	5.76	1.27	1.36	5.64	5.39	3.00	MEAN
MAX	1.37	1.04	2.86	63.9	65.9	8.28	8.04	2.05	2.71	9.00	8.55	4.08	MAX
MIN	1.05	0.865	0.955	3.01	8.91	6.00	2.22	0.897	0.960	2.87	4.01	2.14	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.99
MAXIMUM DAILY, 65.9 ON MAY 01
MINIMUM DAILY, 0.865B ON FEB 18
MAXIMUM INSTANTANEOUS,
66.3 AT 09:19 EST ON MAY 01

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 36 10 N
LONG 087 57 30 W
DRAINAGE AREA, 650 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 180	JUL	15 400
FEB	2 270	AUG	3 410
MAR	4 250	SEP	3 520
APR	32 500	OCT	15 100
MAY	69 000	NOV	14 000
JUN	18 100	DEC	8 040

TOTAL DISCHARGE, 189 000 dam³

BLANCHE RIVER ABOVE ENGLEHART - STATION NO. 02JC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.20B	6.33	5.51	24.1	142	29.1	31.5	14.4	8.97	22.4	44.6	48.6	1
2	7.40B	6.31	5.65	23.8	126	27.1	30.1	13.5	8.33	24.6	42.3	43.5	2
3	7.60B	6.10	5.59	23.5	114	25.3	28.7	12.8	7.96	23.8	40.2	42.4	3
4	7.65B	6.10	5.30B	23.9	102	23.7	27.4	12.1	7.61	25.4	39.1	40.5E	4
5	7.60B	6.16	5.18B	24.5	91.2	22.6	33.4	15.6	7.32	27.1	37.1	38.0E	5
6	7.40B	6.36	4.98B	24.1	81.9	21.4	32.9	17.5	6.90	25.4	35.9	36.0B	6
7	7.30B	6.31	4.85B	23.2	73.9	20.6	31.7	17.8	6.72	24.0	34.0	34.0B	7
8	7.25B	6.32	4.65B	22.1	66.6	19.6	31.4	20.0	6.33	22.8	32.6	32.0B	8
9	7.20B	6.42	5.30B	22.7	59.7	18.4	35.2	20.9	6.06	21.8	30.9	30.0B	9
10	7.15B	6.60	6.00B	23.1	61.8	17.5	34.6	20.3	6.97	21.2	30.4	28.0B	10
11	7.06B	6.54	6.35B	25.0	76.9	16.9	33.1	19.4	7.05	27.0	29.2	26.0B	11
12	7.00B	6.16	6.40B	24.6	70.0	16.1	33.9	18.6	7.52	27.6	28.3	24.5B	12
13	6.80B	6.31	7.00B	23.6	64.1	15.3	31.2	17.9 A	10.5	26.0	27.0	23.3B	13
14	6.55B	6.23	8.00B	26.1	58.9	14.9	29.2	16.5 E	10.1	25.2	26.6	22.1B	14
15	6.55	5.98	13.0 B	30.9	54.3	14.3	27.3	15.3 E	16.0	26.1	25.7	21.5B	15
16	6.62	6.00	28.3	30.2	50.9	13.6	25.4	14.5 E	14.7	27.7	25.5	20.9B	16
17	6.71	5.80	41.8	30.0	49.7	13.5	23.6	13.8 E	13.9	32.4	25.4	20.2B	17
18	6.76	5.80	43.8	28.4	80.5	13.5	21.9	13.0 E	13.2	77.8	24.9	19.4B	18
19	6.59	5.94	39.2	29.1	82.8	13.2	21.7	12.5 E	12.6	77.5	24.2	19.0B	19
20	6.42	5.74	37.5	37.0B	72.6	12.6	20.5	13.3 E	13.0	65.1	23.5	18.5B	20
21	6.21	5.87	37.6	52.0B	64.9	12.6	19.2	12.6 E	13.3	61.1	23.2	18.1B	21
22	6.09	6.22	36.6	68.0B	59.9	12.4	18.0	12.0 E	22.9	62.1	28.1	17.8B	22
23	6.06	6.21	34.5	86.0B	55.3	15.1	16.8	11.7 A	26.2	59.7	33.3	17.6B	23
24	6.04	5.77	33.0	105 B	52.0	25.5	15.9	10.9	25.4	56.2	38.1	17.2B	24
25	6.07	5.63	32.7	135 B	48.2	25.6	15.0	10.3	25.4	52.6	35.6	17.0B	25
26	6.19	5.35	30.7	169	44.7	26.1	14.4	9.64	25.2	49.5	32.5	16.7B	26
27	6.46	5.30	29.2	172	42.0	30.5	13.7	9.85	24.2	47.4	35.5	16.3B	27
28	6.58	5.04	27.9	168	38.3	30.4	13.2	9.87	23.1	57.2	53.7	16.1B	28
29	6.63		26.6	164	35.9	30.0	12.4	11.3	21.8	54.9	61.8	15.7B	29
30	6.53		25.2	156	33.2	30.8	14.8	10.2	21.1	51.0	55.1	15.3B	30
31	6.39		24.6		31.1		15.5	9.43		47.4		14.7B	31
TOTAL	210.06	168.90	623.26	1 794.9	2 085.3	608.0	759.9	443.59	420.54	1 246.0	1 024.3	770.9	TOTAL
MEAN	6.78	6.03	20.1	59.8	67.3	20.3	24.5	14.3	14.0	40.2	34.1	24.9	MEAN
MAX	7.65	6.60	43.8	172	142	30.8	35.2	20.9	26.2	77.8	61.8	48.6	MAX
MIN	6.04	5.04	4.65	22.1	31.1	12.4	12.4	9.43	6.06	21.2	23.2	14.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 27.8
MAXIMUM DAILY, 172 ON APR 27
MINIMUM DAILY, 4.65B ON MAR 08
MAXIMUM INSTANTANEOUS,
178 AT 00:41 EST ON APR 27

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 53 21 N
LONG 079 52 45 W
DRAINAGE AREA, 1 780 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	18 100	JUL	65 700
FEB	14 600	AUG	38 300
MAR	53 800	SEP	36 300
APR	155 000	OCT	108 000
MAY	180 000	NOV	88 500
JUN	52 500	DEC	66 600

TOTAL DISCHARGE, 877 000 dam³

BLOOMFIELD CREEK AT BLOOMFIELD - STATION NO. 02HE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.217	0.210	0.174	0.247	0.151	0.136	0.199	0.087	0.007	0.003	0.017	0.070	1
2	0.141	0.236	0.192	0.249	0.127	0.142	0.170	0.025	0.007	0	0.017	0.063	2
3	0.130	0.216	0.224	0.418	0.113	0.178	0.116	0.012	0.006	0	0.021	0.065	3
4	0.341	0.180	0.215	0.780	0.099	0.200	0.084	0.010	0.006	0.002	0.039	0.593	4
5	0.310	0.166	0.171	0.847	0.195	0.160	0.065	0.029	0.008	0.005	0.032	0.648	5
6	0.243	0.161	0.134	0.517	0.224	0.131	0.051	0.045	0.009	0.005	0.137	0.516	6
7	0.220	0.169	0.112	0.368	0.312	0.120	0.043	0.026	0.008	0.006	0.107	0.442	7
8	0.196	0.260	0.103	0.305	0.425	0.110	0.045	0.012	0.007	0.003	0.083	0.407	8
9	0.194	0.577	0.101	0.274	0.319	0.132	0.080	0.007	0.008	0.007	0.065	0.401	9
10	0.247	0.624	0.125	0.412	0.264	0.180	0.059	0.004	0.010	0.016	0.151	0.456	10
11	0.252	0.369B	0.383	0.848	0.245	0.147	0.036	0.004	0.009	0.058	0.155	0.385	11
12	0.246	0.270	1.90	0.548	0.207	0.105	0.031	0.004	0.007	0.048	0.131	0.341	12
13	0.229	0.255	1.11	0.380	0.335	0.084	0.027	0.202	0.006	0.100	0.081	0.360	13
14	0.185	0.317	0.886	0.354	0.399	0.083	0.028	0.214	0.006	0.075	0.077	0.282	14
15	0.172	0.225	0.790	0.444	0.298	0.088	0.054	0.070	0.009	0.055	0.087	0.223	15
16	0.167	0.184	0.708	0.352	0.286	0.073	0.082	0.024	0.009	0.021	0.099	0.223	16
17	0.494	0.180	0.910	0.289	0.879	0.058	0.046	0.013	0.004	0.011	0.091	0.253	17
18	1.24	0.171	0.816	0.247	0.906	0.178	0.025	0.010	0.002	0.097	0.067	0.538	18
19	0.465	0.156	0.579	0.211	0.589	0.197	0.016	0.007	0.002	0.150	0.054	0.771	19
20	0.363	0.138	0.683	0.214	0.622	0.120	0.144	0.006	0.003	0.082	0.060	0.573	20
21	0.298	0.137	0.551	0.400	0.852	0.097	0.135	0.005	0.004	0.042	0.065	0.534	21
22	0.248	0.273	0.448	0.311	0.623	0.102	0.063	0.006	0.004	0.053	0.096	0.879	22
23	0.227	1.10	0.409	0.238	0.469	0.127	0.181	0.006	0.003	0.044	0.189	1.41	23
24	0.326	0.602	0.296	0.205	0.381	0.134	0.147	0.004	0.002	0.030	0.150	1.30	24
25	0.377	0.418	0.257	0.625	0.327	0.112	0.066	0.003	0	0.011	0.120	0.916	25
26	0.471	0.260	0.245	0.462	0.272	0.081	0.033	0.003	0	0.005	0.091	0.703	26
27	0.360	0.214	0.214	0.318	0.225	0.058	0.017	0.004	0	0.003	0.121	0.551	27
28	0.303	0.192	0.207	0.243	0.195	0.045	0.011	0.004	0	0.089	0.148	0.495	28
29	0.258		0.193	0.199	0.186	0.087	0.010	0.005	0	0.079	0.108	0.992	29
30	0.230		0.209	0.174	0.185	0.223	0.008	0.006	0.045	0.059	0.082	2.03	30
31	0.213		0.247		0.158		0.091	0.006		0.023		1.37	31
TOTAL	9.363	8.260	13.592	11.479	10.868	3.666	2.163	0.863	0.191	1.182	2.741	18.790	TOTAL
MEAN	0.302	0.295	0.439	0.383	0.351	0.122	0.070	0.028	0.006	0.038	0.091	0.606	MEAN
MAX	1.24	1.10	1.90	0.848	0.906	0.223	0.199	0.214	0.045	0.150	0.189	2.03	MAX
MIN	0.130	0.137	0.101	0.174	0.099	0.045	0.008	0.003	0	0	0.017	0.063	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.220
MAXIMUM DAILY, 2.03 ON DEC 30
MINIMUM DAILY, 0 ON SEP 25
MAXIMUM INSTANTANEOUS,
2.58 AT 09:14 EST ON MAR 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 59 26 N
LONG 077 13 06 W
DRAINAGE AREA, 13.9 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	809	JUL	187
FEB	714	AUG	74.6
MAR	1 170	SEP	16.5
APR	992	OCT	102
MAY	939	NOV	237
JUN	317	DEC	1 620

TOTAL DISCHARGE, 7 180 dam³

BLUE JAY CREEK NEAR TEHKUMMAH - STATION NO. 02CG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.387	0.530	0.439	0.549	0.479	0.448	0.480	0.395	0.394	0.412	0.463	0.857	1
2	0.393	0.553	0.430	0.707	0.467	0.443	0.463	0.394	0.391	0.448	0.456	0.747	2
3	0.398	0.549	0.433	0.721	0.463	0.444	0.451	0.392	0.387	0.433	0.403	0.695	3
4	0.406	0.530	0.427	0.784	0.460	0.432	0.437	0.422	0.408	0.496	0.450	0.624	4
5	0.421	0.514	0.428	0.891	0.448	0.434	0.429	0.433	0.393	0.500	0.462	0.580	5
6	0.430	0.496	0.420	0.759	0.446	0.428	0.421	0.414	0.393	0.476	0.458	0.560	6
7	0.425	0.487	0.423	0.686	0.446	0.422	0.408	0.402	0.393	0.449	0.470	0.549	7
8	0.424	0.482	0.428	0.652	0.448	0.418	0.582	0.396	0.387	0.434	0.493	0.617	8
9	0.425	0.518	0.431	0.672	0.436	0.422	0.732	0.393	0.390	0.457	0.545	0.641	9
10	0.428	0.555	0.430	0.733	0.446	0.415	0.591	0.397	0.391	0.655	0.747	0.668	10
11	0.434	0.544	0.440	0.748	0.441	0.407	0.517	0.399	0.387	1.19	0.724	0.622	11
12	0.431	0.530	0.635	0.687	0.437	0.405	0.480	0.398	0.385	0.887	0.653	0.633	12
13	0.429	0.517	1.12	0.632	0.441	0.423	0.454	0.396	0.391	0.702	0.601	0.753	13
14	0.430	0.503	2.29	0.639	0.438	0.410	0.443	0.391	0.416	0.607	0.586	0.656	14
15	0.433	0.503	3.56	0.680	0.431	0.410	0.434	0.395	0.408	0.598	0.965	0.605	15
16	0.431	0.502	3.50	0.690	0.917	0.398	0.436	0.392	0.406	0.547	1.13	0.562	16
17	0.966	0.489	2.56	0.682	2.05	0.404	0.434	0.387	0.396	0.753	1.06	0.538	17
18	1.71	0.486	1.78	0.646	1.15	0.405	0.428	0.396	0.391	0.985	0.854	0.536	18
19	1.26	0.476	1.24	0.641	1.13	0.401	0.426	0.381	0.396	0.947	0.738	0.516	19
20	0.963	0.463	1.01	0.669	1.07	0.393	0.420	0.386	0.391	0.758	0.676	0.500	20
21	0.779	0.459	0.895	0.674	0.944	0.392	0.411	0.385	0.405	0.700	1.37	0.562	21
22	0.683	0.459	1.01	0.668	0.787	0.398	0.407	0.387	0.427	0.723	2.27	0.883	22
23	0.608	0.458	1.10	0.663	0.688	0.572	0.408	0.379	0.423	0.656	1.45	0.836	23
24	0.566	0.454	0.865	0.641	0.625	0.540	0.404	0.377	0.414	0.592	1.13	0.707	24
25	0.551	0.445	0.766	0.609	0.557	0.494	0.402	0.379	0.402	0.543	0.941	0.637	25
26	0.571	0.446	0.693	0.562	0.518	0.530	0.398	0.381	0.401	0.522	0.798	0.580	26
27	0.568	0.448	0.625	0.536	0.500	0.575	0.387	0.394	0.402	0.503	1.66	0.539	27
28	0.588	0.441	0.578	0.517	0.478	0.519	0.396	0.392	0.399	0.497	2.12	0.526	28
29	0.576		0.566	0.502	0.471	0.501	0.401	0.388	0.397	0.475	1.34	1.03	29
30	0.558		0.551	0.491	0.458	0.487	0.415	0.391	0.401	0.473	1.01	1.00	30
31	0.532		0.547		0.450		0.393	0.392		0.466		0.789	31
TOTAL	18.204	13.837	30.620	19.729	20.120	13.370	13.888	12.204	11.965	18.884	27.023	20.538	TOTAL
MEAN	0.587	0.494	0.988	0.658	0.649	0.446	0.448	0.394	0.399	0.609	0.901	0.663	MEAN
MAX	1.71	0.555	3.56	0.891	2.05	0.575	0.732	0.433	0.427	1.19	2.27	1.03	MAX
MIN	0.387	0.441	0.420	0.491	0.431	0.392	0.387	0.377	0.385	0.412	0.403	0.500	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.604
MAXIMUM DAILY, 3.56 ON MAR 15
MINIMUM DAILY, 0.377 ON AUG 24
MAXIMUM INSTANTANEOUS,
5.56 AT 19:18 EST ON MAR 15

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 39 06 N
LONG 081 59 15 W
DRAINAGE AREA, 17.9 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 570	JUL	1 200
FEB	1 200	AUG	1 050
MAR	2 650	SEP	1 030
APR	1 700	OCT	1 630
MAY	1 740	NOV	2 330
JUN	1 160	DEC	1 770

TOTAL DISCHARGE, 19 000 dam³

BLUE SPRINGS CREEK NEAR EDEN MILLS - STATION NO. 02GA031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.180	0.386	0.688	0.826	0.567	0.560	0.467	0.337	0.348	0.328	0.386	0.572	1
2	0.181	0.424	0.692	0.861	0.537	0.557	0.431	0.313	0.335	0.313	0.377	0.547	2
3	0.178	0.412	0.684	0.931	0.518	0.578	0.402	0.294	0.314	0.291	0.364	0.515	3
4	0.190	0.412	0.626	0.917	0.522	0.616	0.377	0.278	0.297	0.302	0.359	0.792	4
5	0.224	0.375	0.579	0.856	0.662	0.566	0.356	0.281	0.296	0.341	0.466	0.905	5
6	0.212	0.378	0.523	0.793	0.660	0.534	0.358	0.287	0.284	0.334	0.906	0.918	6
7	0.210	0.371	0.496	0.735	0.599	0.521	0.345	0.283	0.289	0.305	1.09	0.838	7
8	0.209	0.386	0.476	0.712	0.563	0.497	0.348	0.272	0.290	0.300	1.02	0.771	8
9	0.216	0.684	0.493	0.694	0.549	0.529	0.422	0.270	0.281	0.392	0.788	0.728	9
10	0.226	0.961	0.494	0.790	0.554	0.522	0.379	0.263	0.275	0.622	0.722	0.722	10
11	0.218	0.763	0.680	1.04	0.594	0.503	0.356	0.286	0.278	0.692	0.684	0.720	11
12	0.210	0.659	1.51	0.968	0.543	0.490	0.354	0.454	0.267	0.667	0.635	0.711	12
13	0.204	0.602	3.08	0.821	0.618	0.476	0.342	0.804	0.266	0.761	0.587	0.778	13
14	0.211	0.673	3.90	0.782	0.677	0.457	0.347	0.903	0.280	0.831	0.571	0.833	14
15	0.217	0.534	3.02	0.824	0.616	0.466	0.377	0.765	0.387	0.689	0.557	0.731	15
16	0.216	0.587	2.34	0.828	0.662	0.438	0.375	0.542	0.397	0.513	0.556	0.695	16
17	0.254	0.568	1.90	0.818	0.909	0.428	0.363	0.429	0.345	0.553	0.567	0.659	17
18	0.617	0.500	1.61	0.782	0.999	0.426	0.378	0.366	0.312	0.712	0.538	0.707	18
19	0.638	0.493	1.38	0.735	0.911	0.415	0.380	0.367	0.285	0.813	0.501	0.865	19
20	0.530	0.461	1.14	0.733	0.972	0.402	0.376	0.378	0.282	0.781	0.474	0.832	20
21	0.443	0.439	1.05	0.835	1.22	0.409	0.387	0.364	0.277	0.624	0.470	0.746	21
22	0.376	0.592	1.05	0.828	1.17	0.410	0.382	0.353	0.274	0.562	0.533	0.940	22
23	0.339	1.25	1.17	0.788	0.930	0.511	0.436	0.344	0.272	0.503	0.671	1.21	23
24	0.351	1.29	1.13	0.746	0.831	0.567	0.413	0.325	0.269	0.473	0.703	1.31	24
25	0.363	1.07	0.970	0.719	0.774	0.522	0.371	0.316	0.265	0.458	0.666	1.15	25
26	0.420	1.01	0.914	0.683	0.711	0.448	0.348	0.314	0.254	0.441	0.621	1.07	26
27	0.418	0.848	0.847	0.643	0.670	0.429	0.324	0.314	0.254	0.418	0.608	0.879	27
28	0.435	0.767	0.801	0.612	0.651	0.413	0.308	0.390	0.252	0.419	0.656	0.800	28
29	0.456		0.795	0.589	0.623	0.478	0.299	0.444	0.241	0.420	0.662	1.06	29
30	0.426		0.784	0.584	0.612	0.517	0.307	0.432	0.289	0.406	0.608	2.02 E	30
31	0.411		0.820		0.567		0.356	0.374		0.396		2.40 E	31
TOTAL	9.779	17.885	36.642	23.473	21.991	14.685	11.464	12.142	8.755	15.660	18.346	28.424	TOTAL
MEAN	0.316	0.639	1.18	0.782	0.709	0.490	0.370	0.392	0.292	0.505	0.612	0.917	MEAN
MAX	0.638	1.29	3.90	1.04	1.22	0.616	0.467	0.903	0.397	0.831	1.09	2.40	MAX
MIN	0.178	0.371	0.476	0.584	0.518	0.402	0.299	0.263	0.241	0.291	0.359	0.515	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.601
MAXIMUM DAILY, 3.90 ON MAR 14
MINIMUM DAILY, 0.178 ON JAN 03
MAXIMUM INSTANTANEOUS,
4.10 AT 06:48 EST ON MAR 14

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 34 35 N
LONG 080 06 36 W
DRAINAGE AREA, 44.5 km²

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	845	JUL	990
FEB	1 550	AUG	1 050
MAR	3 170	SEP	756
APR	2 030	OCT	1 350
MAY	1 900	NOV	1 590
JUN	1 270	DEC	2 460

TOTAL DISCHARGE, 19 000 dam³

BLYTH BROOK BELOW BLYTH - STATION NO. 02FE014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.940B	1.52	0.740B	1.26	0.374	0.240	0.499	0.089	0.047	0.843	0.758	2.08	1
2	1.00 B	2.04	0.820B	1.67	0.333	0.236	0.327	0.065	0.039	0.636	0.700	1.66	2
3	1.40 B	1.45 B	0.940B	2.13	0.304	0.296	0.233	0.049	0.036	0.465	0.653	1.48	3
4	5.15 B	1.25 B	0.700B	1.78	0.308	0.288	0.174	0.043	0.038	0.988	0.621	1.87	4
5	8.95	1.05	0.530B	1.42	0.628	0.239	0.176	0.061	0.054	1.57	3.65	1.67	5
6	3.52	0.962	0.460B	1.15	0.481	0.212	0.143	0.055	0.077	0.967	12.2	1.58	6
7	2.21	0.924	0.420B	1.01	0.376	0.189	0.106	0.049	0.557	0.661	3.07	1.43	7
8	1.63	1.64	0.390B	0.872	0.341	0.170	0.297	0.041	0.304	0.513	1.33	1.37	8
9	1.33	7.65	1.05 B	0.783	0.302	0.176	2.28	0.108	0.149	4.86	2.50	1.38	9
10	1.20	5.28	2.14	1.09	0.295	0.156	0.885	0.042	0.111	6.53	2.17	1.67	10
11	1.02 B	2.56	3.43	1.62	0.324	0.143	0.432	0.011	0.186	4.40	1.89	1.60	11
12	0.920B	1.71 B	10.4	1.22	0.311	0.133	0.269	0.065	0.155	2.57	1.68	1.53	12
13	0.840B	1.60	10.8	0.971	0.328	0.120	0.296	0.202	0.080	2.22	1.49	3.98	13
14	0.800B	1.64 B	6.06	1.06	0.295	2.05	0.190	0.122	0.082	1.65	1.42	2.15	14
15	0.770B	1.27 B	3.42	1.63	0.268	1.63	0.204	0.083	0.348	1.72	1.67	1.58	15
16	0.901B	1.10 B	2.58	1.53	0.317	0.683	0.158	0.063	0.208	1.44	1.50	1.41	16
17	5.70	0.960B	2.17	1.86	2.09	0.400	0.134	0.056	0.127	3.01	1.23	1.33	17
18	16.8	0.840B	1.75	1.57	2.33	0.298	0.118	0.047	0.102	5.54	1.02	2.48	18
19	8.47	0.710B	1.42	1.24	1.40	0.230	0.109	0.053	0.125	6.32	0.912	2.29	19
20	4.58	0.640B	1.19	1.27	1.99	0.185	0.130	0.055	0.140	3.28	0.796	1.58	20
21	2.92	0.720B	1.08	1.71	2.28	0.165	0.120	0.050	0.125	2.16	0.808	1.40	21
22	2.23	1.57	1.61	1.41	1.39	0.160	0.115	0.174	0.132	1.67	5.00	2.33	22
23	1.86	3.24	3.97	1.14	1.00	0.312	0.107	0.053	0.188	1.38	4.07	2.14B	23
24	2.09	2.04 B	2.20	0.922	0.758	0.344	0.089	0.047	0.218	1.16	2.96	1.62B	24
25	2.85	1.33 B	1.67	0.784	0.612	0.258	0.080	0.037	0.169	1.01	3.23	1.32B	25
26	4.69	1.02 B	1.41	0.689	0.545	0.185	0.056	0.030	0.151	0.897	2.41	1.18B	26
27	2.87	0.850B	1.16	0.589	0.471	0.160	0.061	0.079	0.122	0.803	7.76	1.13B	27
28	4.35	0.740B	1.08	0.517	0.401	0.147	0.047	0.595	0.111	0.980	12.2	1.07B	28
29	2.64		1.03	0.455	0.346	1.33	0.042	0.216	0.300	1.08	5.92	12.4	29
30	1.90		1.19	0.412	0.303	0.948	0.151	0.095	0.909	0.974	2.81	18.4	30
31	1.49		1.30		0.285		0.145	0.061		0.837		5.36	31
TOTAL	98.021	48.306	69.110	35.764	21.786	12.083	8.173	2.796	5.390	63.134	92.428	84.47	TOTAL
MEAN	3.16	1.73	2.23	1.19	0.703	0.403	0.264	0.090	0.180	2.04	3.08	2.72	MEAN
MAX	16.8	7.65	10.8	2.13	2.33	2.05	2.28	0.595	0.909	6.53	12.2	18.4	MAX
MIN	0.770	0.640	0.390	0.412	0.268	0.120	0.042	0.011	0.036	0.465	0.621	1.07	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.48
MAXIMUM DAILY, 18.4 ON DEC 30
MINIMUM DAILY, 0.011 ON AUG 11
MAXIMUM INSTANTANEOUS,
25.1 AT 00:46 EST ON DEC 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 45 38 N
LONG 081 27 48 W
DRAINAGE AREA, 77.7 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	8 470	JUL	706
FEB	4 170	AUG	242
MAR	5 970	SEP	466
APR	3 090	OCT	5 450
MAY	1 880	NOV	7 990
JUN	1 040	DEC	7 300

TOTAL DISCHARGE, 46 800 dam³

BOB CREEK NEAR MINDEN - STATION NO. 02HF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.071B	0.178B	0.079B	0.220E	0.301	0.045	0.031	0	0	0	0.068	0.705	1
2	0.070B	0.161B	0.076B	0.305A	0.250	0.053	0.017	0	0	0.008	0.066	0.525	2
3	0.069B	0.148B	0.074B	1.09	0.204	0.045	0.003	0	0	0.009	0.070	0.402	3
4	0.110B	0.133B	0.072B	1.85	0.172	0.086	0	0	0	0.019	0.073	0.350E	4
5	0.188B	0.126B	0.070B	1.54	0.146	0.067	0	0	0	0.001	0.085	0.308E	5
6	0.177B	0.118B	0.068B	1.13	0.108	0.076	0	0	0	0	0.253	0.262E	6
7	0.168B	0.112B	0.066B	0.797	0.127	0.119	0	0	0	0	0.359	0.230E	7
8	0.160B	0.137B	0.065B	0.602	0.161	0.091	0.001	0	0	0	0.326	0.200E	8
9	0.152B	0.216B	0.064B	0.525	0.170	0.090	0.007	0	0	0.001	0.270	0.220E	9
10	0.144B	0.179B	0.063B	0.598	0.271	0.087	0	0	0	0.003	0.266	0.233E	10
11	0.136B	0.140B	0.082B	0.745	0.363	0.075	0	0	0	0.004	0.266	0.209E	11
12	0.129B	0.129B	0.210B	0.737	0.408	0.031	0	0	0	0.001	0.259A	0.194E	12
13	0.121B	0.134B	0.520E	0.630	0.360	0.022	0	0	0	0.004	0.233E	0.218A	13
14	0.115B	0.139B	1.15 E	0.525	0.283	0.010	0	0	0	0.004	0.219E	0.209E	14
15	0.111B	0.121B	2.90 E	0.664	0.248	0.011	0	0	0	0.007	0.209A	0.191	15
16	0.108B	0.112B	2.80 E	0.777	0.244	0.006	0	0	0	0.005	0.280	0.175	16
17	0.350B	0.107B	2.55 E	0.755	0.413	0.003	0	0	0	0.013	0.419	0.162	17
18	0.860B	0.102B	1.90 E	0.687	1.05	0	0	0	0	0.021	0.517	0.188	18
19	0.510B	0.099B	1.26 E	0.562	1.31	0	0	0	0	0.031	0.426	0.194	19
20	0.318B	0.094B	1.00 E	0.491	0.975	0	0.024	0	0	0.034	0.360	0.177	20
21	0.243B	0.091B	0.750E	0.543	0.741	0	0.008	0	0	0.038	0.322	0.166	21
22	0.200B	0.093B	0.860E	0.556	0.551	0	0.001	0	0	0.041	0.817	0.236	22
23	0.173B	0.096B	0.975E	0.517	0.441	0.003	0.006	0	0	0.036	1.34	0.350	23
24	0.159B	0.091B	0.800E	0.464	0.353	0.024	0	0	0	0.033	1.06	0.382	24
25	0.150B	0.087B	0.455E	0.660	0.264	0.011	0	0	0	0.037	0.725	0.362	25
26	0.295B	0.084B	0.340E	0.845	0.224	0.004	0	0	0	0.036	0.524	0.344	26
27	0.240B	0.082B	0.280E	0.769	0.189	0.014	0	0	0	0.039	0.937	0.305	27
28	0.237B	0.080B	0.228E	0.603	0.465	0.008	0	0	0	0.053	2.74	0.271	28
29	0.232B		0.192E	0.466	0.122	0.007	0	0	0	0.059	1.94	0.520	29
30	0.212B		0.200E	0.361	0.061	0.014	0	0	0	0.063	1.08	1.25	30
31	0.197B		0.210E		0.051		0	0		0.070		1.11	31
TOTAL	6.405	3.389	20.359	21.014	11.026	1.002	0.098	0	0	0.670	16.509	10.648	TOTAL
MEAN	0.207	0.121	0.657	0.701	0.356	0.033	0.003	0	0	0.022	0.550	0.344	MEAN
MAX	0.860	0.216	2.90	1.85	1.31	0.119	0.031	0	0	0.070	2.74	1.25	MAX
MIN	0.069	0.080	0.063	0.220	0.051	0	0	0	0	0	0.066	0.162	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.250
MAXIMUM DAILY, 2.90E ON MAR 15
MINIMUM DAILY, 0 ON JUN 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 56 07 N
LONG 078 46 07 W
DRAINAGE AREA, 21.8 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	553	JUL	8.47
FEB	295	AUG	0
MAR	1 760	SEP	0
APR	1 820	OCT	57.9
MAY	953	NOV	1 430
JUN	86.6	DEC	920

TOTAL DISCHARGE, 7 880 dam³

BONNECHERE RIVER NEAR CASTLEFORD - STATION NO. 02KC009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.40B	10.8 B	10.2 B	42.0	51.5	15.0	12.1	7.15	4.11	4.49	5.51	9.94	1
2	8.70B	10.6 B	11.5 B	43.2	49.9	12.2	12.5	6.72	3.89	5.00	5.30	10.1	2
3	8.90B	10.4 B	11.2 B	55.8	48.2	9.08	12.5	6.74	4.68	5.49	5.79	10.6	3
4	9.40B	10.2 B	10.7 B	83.0	46.6	8.71	12.3	6.75	3.40	2.57	5.85	10.1 B	4
5	9.20B	10.1 B	10.5 B	82.8	45.9	5.58	12.9	6.49	3.92	2.53	6.23	10.5 B	5
6	9.00B	10.0 B	10.3 B	70.6	47.1	5.71	12.6	6.15	3.22	2.62	7.21	12.4 B	6
7	8.80B	9.00B	10.1 B	53.6	46.5	5.81	11.8	5.34	2.65	2.49	8.03	12.7 B	7
8	8.60B	9.80B	10.0 B	49.5	46.8	3.40	11.0	6.27	2.27	3.63	8.04	12.9	8
9	8.65B	15.0 B	9.90B	47.1	48.7	3.91	11.1	6.32	2.31	4.08	7.32	12.6	9
10	8.70B	20.0 B	11.6 B	51.5	49.0	4.64	11.1	6.15	2.30	3.00	6.09	12.5 B	10
11	9.10B	13.5 B	20.0 B	61.4	49.4	6.46	11.0	5.45	2.26	3.28	6.50	12.1 B	11
12	9.50B	12.6 B	46.6 B	61.7	47.9	5.41	10.7	3.63	2.50	4.39	8.31	12.4 B	12
13	9.05B	11.9 B	66.9	54.3	45.9	3.99	10.2	4.36	4.20	4.07	5.26	13.4	13
14	8.90B	12.4 B	75.1	51.9	44.5	4.58	9.98	5.39	4.31	3.94	4.18	11.3 B	14
15	10.2 B	11.3 B	73.5 B	53.7	43.7	5.95	9.62	4.90	4.24	3.11	6.66	12.5 B	15
16	10.0 B	10.6 B	71.7 B	55.6	38.6	4.38	9.93	4.52	4.17	3.16	7.47	11.7 B	16
17	9.60B	10.4 B	61.3 B	55.3	35.5	4.94	10.3	5.22	4.09	3.85	7.62	12.1 B	17
18	11.5 B	10.2 B	53.2 B	52.8	36.7	7.22	9.79	4.57	3.72	5.23	7.34	13.2	18
19	13.4 B	10.0 B	38.4 B	50.5	35.6	5.88	9.44	4.33	3.50	6.13	7.03	13.5 B	19
20	12.3 B	9.80B	36.8 B	50.7	33.9	5.86	9.25	5.23	3.63	5.61	6.57	11.9 B	20
21	11.0 B	9.96B	31.4 B	56.8	34.2	6.01	9.68	5.26	3.67	5.26	6.65	12.1 B	21
22	10.0 B	11.2 B	30.7 B	57.2	31.5	6.13	9.58	3.49	3.56	4.68	7.28	13.6	22
23	10.4 B	12.6 B	36.0 B	55.8	32.5	6.29	9.92	4.87	3.19	2.75	8.07	17.9	23
24	10.8 B	12.0 B	30.1 B	53.9	31.5	6.96	9.85	4.30	2.63	4.14	8.35	18.5 B	24
25	11.2 B	11.5 B	28.5 B	54.9	30.1	7.71	9.52	2.50	2.78	4.37	8.67	17.0 B	25
26	14.8 B	11.1 B	27.2 B	58.2	29.2	7.54	9.19	2.55	3.26	4.57	8.54	17.4 B	26
27	13.6 B	10.8 B	25.7 B	56.8	27.6	6.98	9.08	5.17	3.70	4.58	8.78	15.6 B	27
28	12.3 B	10.5 B	27.2 B	55.0	26.4	6.90	8.15	4.64	3.52	5.09	10.7	15.8 B	28
29	11.5 B		31.7 B	53.2	25.4	7.22	7.40	2.04	3.05	6.49	11.2	17.4 B	29
30	11.1 B		36.7	52.2	23.2	10.4	7.31	4.31	3.04	5.49	10.5	21.5	30
31	10.9 B		39.2		19.4		7.32	4.43		5.48		20.5	31
TOTAL	319.50	318.26	993.90	1 681.0	1 202.9	200.85	317.11	155.24	99.77	129.57	221.05	425.44	TOTAL
MEAN	10.3	11.4	32.1	56.0	38.8	6.70	10.2	5.01	3.33	4.18	7.37	13.7	MEAN
MAX	14.8	20.0	75.1	83.0	51.5	15.0	12.9	7.15	4.31	6.49	11.2	21.5	MAX
MIN	8.40	9.00	9.90	42.0	19.4	3.40	7.31	2.04	2.26	2.49	4.18	9.94	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 16.6
MAXIMUM DAILY, 83.0 ON APR 04
MINIMUM DAILY, 2.04 ON AUG 29
MAXIMUM INSTANTANEOUS,
100 AT 00:35 EST ON MAR 14

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 29 49 N
LONG 076 33 50 W
DRAINAGE AREA, 2 380 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	27 600	JUL	27 400
FEB	27 500	AUG	13 400
MAR	85 900	SEP	8 620
APR	145 000	OCT	11 200
MAY	104 000	NOV	19 100
JUN	17 400	DEC	36 800

TOTAL DISCHARGE, 524 000 dam³

BOWMANVILLE CREEK AT BOWMANVILLE - STATION NO. 02HD006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.600B	0.860B	1.10 B	1.52	1.04	0.716	1.16	0.624	0.552	0.780E	0.810E	0.906	1
2	0.520B	0.800B	1.62 B	1.97	0.964	0.707	0.817E	0.570	0.539	0.720E	0.820E	0.872	2
3	0.500B	0.740B	1.40 B	3.62	0.937	1.09	0.714E	0.579	0.540	0.675E	0.820E	0.898	3
4	0.600B	0.810B	0.900B	4.03	0.954	0.954	0.620	0.555	0.547	0.820E	0.830E	2.64	4
5	1.10 B	1.06 B	0.780B	4.00	1.16	0.836	0.587	0.642	1.09 E	0.840E	0.940E	1.80 B	5
6	0.700B	1.03 B	1.00 B	2.18	1.08	0.862	0.566E	0.676	0.996E	0.775E	1.25 E	1.32	6
7	0.500B	0.980B	1.30 B	1.59	1.06	0.749	0.551	0.627	0.701	0.700E	1.55 E	1.21	7
8	0.460B	2.50 B	1.55 B	1.36	1.07	0.758	0.586	0.636	0.701E	0.720E	1.17 E	1.16	8
9	0.540B	2.00 B	1.53 B	1.32	0.987	0.859	0.829	0.554	0.592E	1.00 E	0.940E	1.20	9
10	1.22 B	2.40 B	1.61 B	3.64	1.04	0.842	0.683	0.601	0.583E	1.90 E	0.950E	1.42	10
11	0.640B	1.50 B	7.00 B	4.99	1.12	0.846	0.623	0.597E	0.588E	1.50 E	0.920E	1.19 B	11
12	0.440B	1.06 B	58.0 B	2.19	0.998	0.728	0.613	0.688	0.590E	1.25 E	0.890E	0.955	12
13	0.400B	2.08 B	33.8	1.61	1.17	0.733	0.593	1.11 E	0.585E	2.40 E	0.870E	1.32	13
14	0.540B	2.28 B	6.26	1.63	1.18	0.802	0.563	1.05 E	0.680E	1.50 E	0.850E	1.27 B	14
15	0.720B	0.840B	4.39	2.54	0.975	0.772	2.04	0.733E	0.900E	1.05 E	0.840E	1.10 B	15
16	1.20 B	1.08 B	3.17	1.89	1.11	0.718	1.31	0.836E	0.780E	0.900E	0.880E	1.14	16
17	2.00 B	0.985B	4.71	2.03	3.70	0.626	0.811E	0.692E	0.700E	1.10 E	0.910E	1.02	17
18	6.40 B	0.885B	2.21	1.65	2.59	0.734	0.693	0.687	0.659E	1.15 E	0.910E	1.71	18
19	3.00 B	0.838B	1.54	1.43	1.58	0.710	0.636	0.697	0.660E	1.90 E	0.840E	1.94	19
20	1.15 B	0.768B	1.35	1.73	2.36	0.650	0.811E	0.683	0.660E	1.50 E	0.820E	1.57 B	20
21	0.900B	1.10 B	1.29	2.85	2.55	0.817	0.783E	0.639	0.645E	1.00 E	0.850E	1.43	21
22	0.830B	6.00 B	2.47	1.91	1.59	0.850E	0.725	0.650	0.650E	0.960E	0.940E	3.18	22
23	0.720B	3.50 B	2.40	1.73	1.24	0.864E	1.57 E	0.666	0.661E	0.910E	1.23 E	6.96	23
24	2.00 B	1.90 B	1.52	1.54	1.05	0.829	0.987E	0.587	0.660E	0.880E	1.18 E	2.77	24
25	3.00 B	1.55 B	1.34	1.43	1.06	0.836E	0.727E	0.582	0.640E	0.850E	1.08 E	2.10 B	25
26	5.20 B	1.35 B	1.28	1.46	0.891	0.643	0.691	0.594	0.640E	0.820E	0.960E	2.30 B	26
27	1.95 B	1.21 B	1.12	1.37	0.846	0.731	0.677	0.575	0.640E	0.800E	0.920E	2.50 B	27
28	2.62 B	1.10 B	1.17	1.21	0.862	0.698	0.633	0.582	0.640E	0.860E	0.980E	1.40 B	28
29	1.40 B		1.04	1.17	0.792	0.795	0.583	0.565	0.820E	0.890E	0.944E	4.00 B	29
30	1.06 B		1.12	1.11	0.813	1.07	0.658E	0.533	0.880E	0.880E	0.909	5.60 B	30
31	0.980B		1.57		0.727		0.613	0.543		0.860E		2.15	31
TOTAL	43.890	50.206	148.540	62.70	39.496	23.825	24.453	20.353	20.519	33.890	28.803	61.111	TOTAL
MEAN	1.42	1.79	4.79	2.09	1.27	0.794	0.789	0.657	0.684	1.09	0.960	1.97	MEAN
MAX	6.40	6.00	58.0	4.99	3.70	1.09	2.04	1.11	1.09	2.40	1.55	6.96	MAX
MIN	0.400	0.740	0.780	1.11	0.727	0.626	0.551	0.533	0.539	0.675	0.810	0.872	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.53
MAXIMUM DAILY, 58.0B ON MAR 12
MINIMUM DAILY, 0.400B ON JAN 13

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 55 18 N
LONG 078 42 09 W
DRAINAGE AREA, 82.9 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 790	JUL	2 110
FEB	4 340	AUG	1 760
MAR	12 800	SEP	1 770
APR	5 420	OCT	2 930
MAY	3 410	NOV	2 490
JUN	2 060	DEC	5 280

TOTAL DISCHARGE, 48 200 dam³

BRIGHTSAND RIVER AT MOBERLEY - STATION NO. 04GB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.43E	5.08	4.50	5.94	21.5	24.7E	22.9E	10.4	8.10	6.07	6.42	5.55E	1
2	5.42E	5.07	4.40	5.72	23.2	25.0E	22.1E	10.2	8.07	6.06	6.42	5.60E	2
3	5.41E	5.04	4.37	5.82	24.3	25.6E	21.7E	9.88	8.11	6.14	6.38	5.55E	3
4	5.40E	5.07	4.36	6.09	25.8	26.3E	21.0E	9.73	7.71	6.40	6.27	5.53E	4
5	5.38E	5.07	4.32	6.01	27.1	27.0E	20.2E	9.62	7.70	6.61	6.19	5.51E	5
6	5.35E	5.05	4.27	6.11	28.1	28.2E	19.8E	9.50	6.95	6.89	6.11	5.50E	6
7	5.33E	5.02	4.27	6.11	28.8	29.3E	19.1E	9.24	6.75	7.08	6.03	5.48E	7
8	5.31E	5.01	4.22	6.13	29.4	30.3E	18.6E	9.01	6.81	7.25	5.95	5.46E	8
9	5.30E	5.01	4.21	6.14	30.0	31.9E	18.0E	8.78	6.77	7.48	5.91	5.44E	9
10	5.28E	5.02	4.18	6.14	29.8	33.3E	17.4E	8.60	6.63	7.69	5.85	5.42E	10
11	5.26E	5.01	4.16	6.11	30.2	35.0E	16.9E	8.60	6.51	7.80	5.80	5.40E	11
12	5.24E	4.98	4.34	6.11	29.7	36.0E	16.4E	8.59	6.27	7.80	5.74	5.38E	12
13	5.22E	4.90	4.61	6.09	29.2	36.7E	16.2	8.44	6.08	7.81	5.68	5.36E	13
14	5.20E	4.88	4.69	6.10	29.7	36.8E	15.8	8.08	5.80	7.81	5.63	5.35E	14
15	5.18E	4.83	4.86	6.09	29.8	37.0E	15.7	7.84	5.81	7.80	5.61	5.33E	15
16	5.16E	4.80	5.14	6.18	29.4	36.9E	15.6	7.84	5.94	7.77	5.53	5.30E	16
17	5.14E	4.76	5.24	6.26	29.3	36.7E	15.1	8.19	6.04	7.67	5.48	5.29E	17
18	5.12E	4.74	5.34	6.27	29.2	36.0E	14.3	8.42	6.15	7.46	5.42	5.27E	18
19	5.10E	4.68	5.46	6.29	29.3	35.6E	13.7	8.42	6.13	7.46	5.36	5.24E	19
20	5.09E	4.70	5.56	6.38	28.9	34.5E	13.1	8.32	6.14	7.47	5.31	5.22E	20
21	5.08E	4.65	5.65	6.67	28.4	33.3E	12.7	8.20	6.16	7.44	5.31	5.21E	21
22	5.07E	4.60	5.73	7.36	27.5	32.0E	12.3	8.05	6.13	7.37	5.31	5.19E	22
23	5.05E	4.61	5.81	9.30	26.9E	31.1E	12.0	7.89	6.13	7.26	5.31	5.17E	23
24	5.11	4.58	5.91	9.41	26.3E	30.0E	11.6	7.68	6.18	7.09	5.32	5.16E	24
25	5.15	4.56	5.87	10.8	25.8E	29.0E	11.3	7.47	6.20	6.98	5.30	5.14E	25
26	5.15	4.54	5.91	12.3	25.3E	27.8E	11.2	7.20	6.22	6.95	5.30	5.12E	26
27	5.15	4.53	5.93	13.5	24.9E	26.3E	10.9	7.41	6.19	6.57	5.32	5.10E	27
28	5.14	4.52	5.91	15.6	24.7E	25.3E	10.6	7.94	6.05	6.42	5.36	5.08E	28
29	5.16		5.93	17.5	24.3E	24.3E	10.6	8.12	6.06	6.42	5.39	5.06E	29
30	5.15		5.93	19.5	24.1E	23.8E	10.6	8.20	6.05	6.42	5.51	5.05E	30
31	5.12		5.97		24.3E		10.5	8.27		6.42		5.04E	31
TOTAL	161.65	135.31	157.05	243.03	845.2	926.4	477.9	264.14	195.84	219.86	170.52	164.50	TOTAL
MEAN	5.21	4.83	5.07	8.10	27.3	30.9	15.4	8.52	6.53	7.09	5.68	5.31	MEAN
MAX	5.43	5.08	5.97	19.5	30.2	37.0	22.9	10.4	8.11	7.81	6.42	5.60	MAX
MIN	5.05	4.52	4.16	5.72	21.5	23.8	10.5	7.20	5.80	6.06	5.30	5.04	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.9
MAXIMUM DAILY, 37.0E ON JUN 15
MINIMUM DAILY, 4.16 ON MAR 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 25 N
LONG 090 34 19 W
DRAINAGE AREA, 1 170 km²

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	14 000	JUL	41 300
FEB	11 700	AUG	22 800
MAR	13 600	SEP	16 900
APR	21 000	OCT	19 000
MAY	73 000	NOV	14 700
JUN	80 000	DEC	14 200

TOTAL DISCHARGE, 342 000 dam³

BRONTE CREEK AT CARLISLE - STATION NO. 02HB022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.542B	1.02 B	2.71 B	1.51	0.760	1.26	0.512	0.541	0.563	0.287	0.493	1.16	1
2	0.514B	1.12 B	2.54 B	1.65	0.693	0.916	0.484	0.504	0.504	0.259	0.486	1.15	2
3	0.592B	0.985B	2.25 B	1.79	0.653	1.02	0.459	0.462	0.441	0.249	0.476	1.05	3
4	0.720B	0.912B	1.83 B	1.82	0.661	1.16	0.437	0.404	0.412	0.406	0.478	1.69B	4
5	0.798B	0.852B	1.55 B	1.71	0.987	1.05	0.408	0.395	0.396	0.435	0.747	1.87B	5
6	0.644B	1.04 B	1.36 B	1.54	0.992	0.947	0.391	0.391	0.399	0.399	2.15	2.18	6
7	0.580B	1.29 B	1.17 B	1.40	0.860	0.908	0.370	0.371	0.402	0.362	1.99	2.24	7
8	0.528B	1.68	0.962B	1.23	0.776	0.866	0.370	0.358	0.368	0.417	2.17	2.36	8
9	0.505B	2.89	0.794B	1.15	0.666	0.885	0.754	0.348	0.355	0.544	1.93	2.12B	9
10	0.666B	3.22 B	1.26 B	1.35	0.673	0.808	0.628	0.345	0.376	0.704	1.64	2.03B	10
11	0.628B	2.93 B	2.72	2.04	0.708	0.738	0.528	0.349	0.380	0.757	1.40	1.90B	11
12	0.585B	2.41 B	5.93	1.93	0.669	0.682	0.465	0.443	0.353	0.956	1.26	1.84B	12
13	0.548B	2.26	12.0	1.84	1.25	0.684	0.429	0.633	0.335	1.36	1.09	1.78B	13
14	0.532B	2.38	12.3	1.68	1.61	0.611	0.408	0.560	0.353	1.25	0.943	1.94B	14
15	0.512B	1.30 B	9.51	1.70	1.42	0.598	0.532	0.459	0.439	1.16	0.911	2.14	15
16	0.496B	1.46 B	7.09	1.60	1.74	0.552	0.585	0.455	0.409	1.00	0.891	2.04	16
17	1.33 B	1.29 B	5.70	1.77	3.10	0.538	0.505	0.457	0.371	0.932	0.935	1.98	17
18	3.00 B	1.12 B	4.81	1.68	3.50	0.554	0.464	0.440	0.355	1.01	0.890	2.25	18
19	1.80 B	0.962B	4.12	1.54	3.27	0.520	0.433	0.524	0.350	1.04	0.833	2.46	19
20	1.54 B	0.804B	3.43 B	1.46	3.11	0.489	0.468	0.554	0.363	0.989	0.809	2.26B	20
21	1.33 B	1.36 B	3.02 B	1.79	3.21	0.476	0.492	0.555	0.347	0.946	0.778	2.19B	21
22	1.19 B	2.13 B	2.56	1.68	2.98	0.499	0.475	0.501	0.332	0.852	0.871	2.80	22
23	1.11 B	4.50 B	2.34	1.61	2.69	0.596	0.602	0.477	0.317	0.751	1.06	3.62	23
24	1.06 B	3.89 B	1.97 B	1.46	2.45	0.704	0.611	0.454	0.322	0.677	1.08	3.90	24
25	1.26 B	3.69 B	1.82 B	1.31	2.04	0.653	0.566	0.395	0.318	0.635	1.08	3.21B	25
26	1.61 B	3.41 B	1.67 B	1.20	1.84	0.577	0.518	0.359	0.289	0.597	1.02	2.92B	26
27	1.54 B	3.27 B	1.42 B	1.08	1.70	0.530	0.452	0.344	0.231	0.56[illegible]	1.15	2.64B	27
28	1.50 B	3.16 B	1.33 B	0.995	1.57	0.493	0.367	0.952	0.216	0.546	1.25	2.42	28
29	1.45 B		1.30 B	0.920	1.53	0.524	0.344	0.983	0.211	0.528	1.19	3.78	29
30	1.24 B		1.38	0.829	1.50	0.544	0.371	0.794	0.254	0.507	1.1[illegible]	9.37	30
31	1.11 B		1.49		1.38		0.563	0.650		0.500		9.09	31
TOTAL	31.460	57.335	104.336	45.264	50.958	21.382	14.991	15.457	10.761	21.611	33.111	84.38	TOTAL
MEAN	1.01	2.05	3.37	1.51	1.64	0.713	0.484	0.499	0.359	0.697	1.10	2.72	MEAN
MAX	3.00	4.50	12.3	2.04	3.50	1.26	0.754	0.983	0.563	1.36	2.17	9.37	MAX
MIN	0.496	0.804	0.794	0.829	0.653	0.476	0.344	0.344	0.211	0.249	0.476	1.05	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.35
MAXIMUM DAILY, 12.3 ON MAR 14
MINIMUM DAILY, 0.211 ON SEP 29
MAXIMUM INSTANTANEOUS,
13.1 AT 02:41 EST ON MAR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 23 21 N
LONG 079 59 18 W
DRAINAGE AREA, 117 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 720	JUL	1 300
FEB	4 950	AUG	1 340
MAR	9 010	SEP	930
APR	3 910	OCT	1 870
MAY	4 400	NOV	2 860
JUN	1 850	DEC	7 290

TOTAL DISCHARGE, 42 400 dam³

BUELLS CREEK AT BROCKVILLE - STATION NO. 02MB010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.383B	0.663	0.564	0.635	0.292	---	---	---	0.071	0.356	0.430	---	1
2	0.254	0.772B	0.594	0.783	0.253	---	---	---	0.082	0.331	0.412	---	2
3	0.230	0.649B	0.548B	1.79	0.242	---	---	---	0.071	0.264	0.404	---	3
4	0.531	0.576B	0.439B	2.53	0.207	---	---	---	0.072	0.682	0.411	---	4
5	0.625	0.519	0.341B	1.94	0.486	---	---	---	0.073	0.781	0.470	---	5
6	0.399B	0.486	0.345	1.35	0.804	---	---	---	0.075	0.588	0.938	---	6
7	0.310B	0.473	0.306	0.914	0.839	---	---	---	0.076	0.492	0.620	---	7
8	0.279	0.589	0.288	0.773	0.942	---	---	---	0.069	0.413	0.536	---	8
9	0.269	1.95	0.329	0.761	0.725	---	---	---	0.072	0.516	0.494	---	9
10	0.265	1.80	0.387	1.40	0.778	---	---	---	0.072	0.453	0.742	---	10
11	0.273	1.06 B	0.977	2.12	0.866	---	---	---	0.069	0.511	0.670	---	11
12	0.293	0.820B	1.95	1.70	0.569	---	---	---	0.068	0.582	0.571	---	12
13	0.246B	0.943	1.92	1.31	0.723	---	---	---	0.066	0.965	0.520	---	13
14	0.232	1.66	2.15	1.20	0.653	---	---	---	0.101	0.678	0.490	---	14
15	0.223	0.846B	2.14	1.35	0.552	---	---	---	0.320	0.595	0.480	---	15
16	0.207	0.791	2.23	1.16	0.525	---	---	---	0.254	0.498	0.502	---	16
17	0.640B	0.744B	3.80	1.11	1.21	---	---	---	0.218	0.468	0.531	---	17
18	3.12 B	0.640B	2.57	0.928	1.23	---	---	---	0.206	0.790	0.477	---	18
19	0.938	0.581	1.94	0.836	0.874	---	---	---	0.228	0.746	0.461	---	19
20	0.733	0.436B	1.95	0.909	1.21	---	---	---	0.200	0.576	0.412	---	20
21	0.560B	0.473B	1.80	1.58	1.89	---	---	---	0.172	0.539	0.270	---	21
22	0.488B	1.25	1.54	1.03	1.21	---	---	---	0.204	0.690	0.324	---	22
23	0.437	3.44	1.58	0.906	1.17	---	---	---	0.174	0.641	0.410	---	23
24	0.842	1.69 B	1.23	0.810	0.920	---	---	---	0.242	0.591	0.335	---	24
25	1.05	1.12 B	1.03	0.756	0.937	---	---	---	0.297	0.573	0.323	---	25
26	1.68	0.825B	0.855	0.715	0.828	---	---	---	0.259	0.539	0.296	---	26
27	0.801	0.702	0.602	0.664	0.836	---	---	---	0.236	0.485	0.337	---	27
28	0.810	0.622	0.570	0.594	0.759	---	---	---	0.213	0.520	0.366	---	28
29	0.692B		0.539	0.581	0.692	---	---	---	0.234	0.511	0.332	---	29
30	0.652B		0.528	0.480	0.660	---	---	---	0.940	0.485	0.288	---	30
31	0.615		0.560		0.615		---	---		0.477		---	31
TOTAL	19.077	27.120	36.602	33.615	24.497	---	---	---	5.434	17.336	13.852	---	TOTA
MEAN	0.615	0.969	1.18	1.12	0.790	---	---	---	0.181	0.559	0.462	---	MEAN
MAX	3.12	3.44	3.80	2.53	1.89	---	---	---	0.940	0.965	0.938	---	MAX
MIN	0.207	0.436	0.288	0.480	0.207	---	---	---	0.066	0.264	0.270	---	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM INSTANTANEOUS,
6.69 AT 01:54 EST ON FEB 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 35 09 N
LONG 075 41 32 W
DRAINAGE AREA, 13.1 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 650	JUL	---
FEB	2 340	AUG	---
MAR	3 160	SEP	469
APR	2 900	OCT	1 500
MAY	2 120	NOV	1 200
JUN	---	DEC	---

REMARKS - STATION ACTIVATED DEC 1988

BURNLEY CREEK ABOVE WARKWORTH - STATION NO. 02HK009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.400B	0.690B	1.24 B	1.23	0.839	0.521	0.688	0.261	0.264	0.611	0.549	0.621	1
2	0.350B	0.670B	1.05	1.34	0.727	0.502	0.632	0.235	0.247	0.516	0.550	0.604	2
3	0.500B	0.655B	0.990B	3.17 B	0.676	0.625	0.457	0.225	0.240	0.448	0.553	0.496B	3
4	0.701	0.645B	0.960B	3.33	0.663	0.643	0.372	0.231	0.241	0.586	0.548	1.29 B	4
5	1.03	0.640B	0.940B	4.19	1.12	0.562	0.323	0.239	0.276	0.894	0.629	1.64 B	5
6	1.43	0.635B	0.920B	2.36	1.23	0.507	0.296	0.301	0.320	0.657	1.63	1.68 B	6
7	1.25	0.626	0.905B	1.44	1.34	0.490	0.280	0.271	0.327	0.507	1.34	1.25	7
8	0.994	0.657	0.895B	1.14	2.10	0.462	0.292	0.249	0.275	0.460	0.961	1.02	8
9	0.807	1.00 B	0.880B	1.07	1.43	0.610	0.550	0.228	0.252	0.747	0.786	0.952	9
10	0.737	5.33 B	0.875B	1.75	1.19	1.57	0.432	0.219	0.294	1.29	0.806	1.09	10
11	0.700	2.24	1.55 B	3.51	1.32	1.09	0.329	0.205	0.377	1.39	0.840	0.924	11
12	0.687	1.77	21.1 B	2.36	1.02	0.701	0.339	0.218	0.298	1.42	0.723	0.906	12
13	0.620B	1.40 B	13.5 B	1.46	1.15	0.564	0.289	0.737	0.277	1.21	0.632B	1.05	13
14	0.586	1.20 B	2.55 B	1.28	1.31	0.519	0.273	0.850	0.272	0.976	0.608	1.14	14
15	0.537B	1.08 B	5.59 B	2.31	1.00	0.484	0.569	0.547	0.354	0.768	0.641	1.14 B	15
16	0.554	0.960B	3.51 B	1.90	1.12	0.439	0.794	0.620	0.373	0.647	0.725	0.772	16
17	0.770	0.880B	3.18	1.61	3.12	0.422	0.540	0.488	0.279	0.649	0.699	0.654	17
18	7.29 B	0.800B	2.36 B	1.38	3.94	0.422	0.401	0.378	0.260	1.10	0.606	0.929	18
19	2.89	0.744B	1.27 B	1.14	1.98	0.406	0.312	0.343	0.261	1.86	0.527	1.57	19
20	1.64	0.680B	1.18	1.18	1.88	0.376	0.485	0.314	0.296	1.14	0.537	1.08	20
21	1.18	0.640B	1.21	1.96	2.79	0.522	0.528	0.291	0.291	0.769	0.553	1.08 B	21
22	1.01	1.00 B	1.30 B	1.70	1.73	0.687	0.420	0.288	0.324	0.661	0.626	1.62	22
23	0.765	3.65 B	2.50 B	1.37	1.21	0.595	1.53	0.319	0.333	0.612	0.791	3.92	23
24	0.715	4.91 B	1.54	1.21	1.10	0.595	1.32	0.282	0.318	0.563	0.769	2.99	24
25	1.02	3.67	1.07	2.14	0.948	0.533	0.692	0.277	0.297	0.547	0.724	1.55	25
26	2.21	3.04 B	0.994	1.94	0.835	0.427	0.452	0.265	0.304	0.526	0.680	1.34 B	26
27	1.96	2.06 B	0.848	1.44	0.776	0.438	0.364	0.248	0.300	0.513	0.719	1.25 B	27
28	1.33	1.54 B	0.804	1.17	0.709	0.420	0.315	0.260	0.292	0.646	0.796	1.45 B	28
29	0.959		0.784	0.992	0.630	0.456	0.293	0.477	0.298	0.721	0.715	1.67 B	29
30	0.792		0.813	0.904	0.613	0.627	0.271	0.368	0.499	0.639	0.624	5.12 B	30
31	0.733B		1.10		0.573		0.274	0.293		0.585		3.34	31
TOTAL	37.147	45.812	78.298	53.976	41.069	17.215	15.112	10.527	9.039	24.660	21.887	46.138	TOTA
MEAN	1.20	1.64	2.53	1.80	1.32	0.574	0.488	0.340	0.301	0.796	0.730	1.49	MEAN
MAX	7.29	5.33	21.1	4.19	3.94	1.57	1.53	0.850	0.499	1.86	1.63	5.12	MAX
MIN	0.350	0.626	0.784	0.904	0.573	0.376	0.271	0.205	0.240	0.448	0.527	0.496	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.10
MAXIMUM DAILY, 21.1B ON MAR 12
MINIMUM DAILY, 0.205 ON AUG 11
MAXIMUM INSTANTANEOUS,
33.0B AT 15:36 EST ON MAR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 11 45 N
LONG 077 54 42 W
DRAINAGE AREA, 82.3 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 210	JUL	1 310
FEB	3 960	AUG	910
MAR	6 760	SEP	781
APR	4 660	OCT	2 130
MAY	3 550	NOV	1 890
JUN	1 490	DEC	3 990

TOTAL DISCHARGE, 34 600 dam³

BURNT RIVER NEAR BURNT RIVER - STATION NO. 02HF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.30B	17.1 B	9.70B	23.6	36.7	13.0	6.61	8.23	6.78	7.55	7.48	41.6	1
2	9.25B	17.0 B	9.20B	24.8	32.5	11.5	6.68	7.77	6.99	7.47	6.66	38.5	2
3	9.13B	15.8 B	8.80B	30.0	26.8	10.7	6.75	8.37	6.73	7.08	5.29	35.9	3
4	10.2 B	15.2 B	8.45B	58.1	24.5	10.8	6.65	9.08	6.34	7.44	5.96	34.9	4
5	12.0 B	14.8 B	8.10B	69.7	22.8	10.2	6.47	7.01	6.08	8.40	6.06	34.5	5
6	12.8 B	14.6 B	7.95B	73.3	21.3	9.42	6.48	7.42	6.02	8.13	8.13	34.8	6
7	12.2 B	14.4 B	7.73B	69.7	20.6	8.91	6.33	7.54	6.14	7.70	11.2	33.7	7
8	11.7 B	13.9 B	7.56B	62.0	23.0	8.33	6.12	7.57	6.29	7.63	13.0	31.8	8
9	11.2 B	14.3 B	7.40B	49.7	26.8	8.13	6.74	9.66	6.85	8.38	12.9	30.4	9
10	11.0 B	16.3 B	7.33B	43.5	28.4	8.23	6.77	10.8	6.98	8.81	12.5	28.9	10
11	11.5 B	14.9 B	7.40B	44.3	30.6	8.51	6.44	10.6	6.81	11.4	12.2	24.0B	11
12	11.8 B	13.8 B	10.2 B	44.1	32.6	8.20	6.15	10.5	6.46	13.1	12.1	23.0B	12
13	11.1 B	13.1 B	18.4 B	42.4	31.3	8.24	5.92	11.3	6.39	13.6	11.7	22.4B	13
14	10.7 B	13.2 B	29.9 B	41.0	28.8	8.86	5.82	11.1	6.33	13.0	11.2	21.8B	14
15	10.3 B	12.8 B	48.3 B	44.1	21.5	9.05	6.36	8.87	6.50	12.0	11.7	21.5B	15
16	10.0 B	11.6 B	63.9 B	48.8	19.4	8.96	6.57	7.55	6.57	10.9	11.8	21.2B	16
17	10.4 B	11.1 B	72.1 B	49.2	21.2	8.52	6.61	7.04	6.44	9.90	13.4	20.9B	17
18	15.9 B	10.7 B	78.1 B	48.2	39.9	8.09	6.35	6.80	6.02	9.50	15.1	21.4B	18
19	20.4 B	10.3 B	76.0 B	44.8	48.1	7.70	5.89	6.48	6.26	10.3	15.2	22.2B	19
20	19.8 B	10.0 B	67.0 B	43.0	47.9	7.34	6.07	6.04	6.82	10.3	14.9	21.0B	20
21	19.1 B	9.80B	55.0 B	41.7	45.7	7.00	6.53	5.13	6.90	9.57	14.6	20.7B	21
22	18.7 B	10.3 B	49.2 B	41.3	44.7	6.92	6.64	5.68	7.30	8.93	16.2	23.7	22
23	18.4 B	12.9 B	56.9 B	37.9	40.5	6.93	6.86	6.04	7.34	8.34	22.1	28.3	23
24	18.1 B	12.7 B	54.8 B	35.1	35.8	7.12	7.40	6.16	7.08	7.74	23.9	31.3	24
25	18.9 B	11.8 B	53.0 B	42.1	30.5	7.34	7.41	6.50	6.77	7.29	23.5	30.0B	25
26	20.0 B	11.1 B	48.0 B	60.4	27.1	7.31	6.85	6.71	6.63	7.01	22.6	29.2B	26
27	21.4 B	10.5 B	41.0 B	70.5	24.5	7.17	6.30	6.69	6.54	6.79	24.6	28.5B	27
28	20.8 B	10.0 B	35.0 B	65.1	22.4	6.87	6.40	6.52	6.66	6.72	39.1	27.9B	28
29	19.9 B		30.0 B	56.6	18.8	6.68	6.82	6.53	6.69	6.90	45.4	32.6	29
30	17.8 B		27.5 B	43.6	16.7	6.56	7.37	7.00	7.22	6.94	45.0	49.6	30
31	17.3 B		24.6		13.0		8.23	6.92		6.71		53.2	31
TOTAL	450.10	364.00	1 028.52	1 456.6	904.4	252.59	204.58	238.61	198.93	275.53	495.48	919.4	TOTAL
MEAN	14.5	13.0	33.2	48.6	29.2	8.42	6.60	7.70	6.63	8.89	16.5	29.7	MEAN
MAX	21.4	17.1	78.1	73.3	48.1	13.0	8.23	11.3	7.34	13.6	45.4	53.2	MAX
MIN	8.30	9.80	7.33	23.6	13.0	6.56	5.82	5.13	6.02	6.71	5.29	20.7	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.6
MAXIMUM DAILY, 78.1B ON MAR 18
MINIMUM DAILY, 5.13 ON AUG 21
MAXIMUM INSTANTANEOUS,
79.8B AT 19:30 EST ON MAR 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 42 03 N
LONG 078 40 40 W
DRAINAGE AREA, 1 270 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	38 900	JUL	17 700
FEB	31 400	AUG	20 600
MAR	88 900	SEP	17 200
APR	126 000	OCT	23 800
MAY	78 100	NOV	42 800
JUN	21 800	DEC	79 400

TOTAL DISCHARGE, 587 000 dam³

CANAGAGIGUE CREEK NEAR ELMIRA - STATION NO. 02GA023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.360B	1.75B	1.10 B	1.17	0.603	0.504	0.803	0.419	0.412	0.846	2.17	2.55	1
2	0.300B	2.19	1.00 B	1.41	0.590	0.493	0.778	0.403	0.401	0.669	2.11	2.37	2
3	0.290B	1.90B	1.12 B	2.11	0.559	0.615	0.790	0.390	0.410	0.609	2.05	1.95	3
4	0.529	1.50B	0.900B	2.16	0.587	0.584	0.827	0.385	0.428	0.659	2.05	1.96	4
5	0.477	1.32B	0.800B	2.10	0.871	0.527	0.822	0.408	0.494	0.619	3.43	1.71	5
6	0.458	1.23B	0.720B	1.03	0.656	0.517	0.825	0.373	0.463	0.564	7.15	1.60	6
7	0.436B	1.22	0.670B	1.08	0.618	0.524	0.822	0.371	0.454	0.513	4.14	1.43	7
8	0.417B	1.09	0.720B	0.929	0.596	0.543	0.969	0.363	0.429	0.518	3.32	1.35	8
9	0.404B	5.65	0.869	0.825	0.587	0.564	1.43	0.372	0.427	3.12	2.98	1.40	9
10	0.398	4.32	1.90	1.08	0.670	0.542	0.755	0.390	0.477	3.08	2.87	1.62	10
11	0.388B	3.12	4.80	1.59	0.659	0.566	0.683	0.432	0.499	2.09	2.69	1.47	11
12	0.377B	1.59	8.21	1.59	0.605	0.574	0.662	0.675	0.438	1.83	2.52	1.43	12
13	0.340B	1.89	6.59	1.26	0.726	0.638	0.653	0.640	0.450	2.05	2.39	2.59	13
14	0.305B	2.15	4.25	1.07	0.640	0.645	0.685	0.430	0.653	1.32	2.51	1.93	14
15	0.320B	1.85	3.98	1.35	0.637	0.667	0.682	0.422	0.658	1.03	2.80	1.59	15
16	0.343	2.03	4.49	1.38	0.957	0.672	0.697	0.411	0.549	1.07	2.60	1.42	16
17	1.13	1.63B	4.21	1.50	1.65	0.663	0.693	0.396	0.480	2.31	2.31	1.31	17
18	3.40	1.30B	3.04	1.44	1.41	0.673	0.678	0.487	0.485	4.03	2.11	1.74	18
19	2.03 B	1.05B	2.11	1.29	1.12	0.698	0.682	0.535	0.506	3.91	2.01	1.88	19
20	1.85 B	1.20B	1.60 B	1.26	2.23	0.695	0.719	0.423	0.482	3.15	1.95	1.59	20
21	1.67 B	1.45B	1.33	1.26	2.54	0.747	0.631	0.409	0.500	2.88	1.84	1.63	21
22	1.50 B	5.17	1.95	1.15	2.00	0.829	0.614	0.407	0.500	2.75	2.32A	2.92	22
23	1.35 B	3.21	6.34	1.04	1.35	1.16	0.619	0.398	0.524	2.65	2.43E	4.40	23
24	1.71 B	1.30B	3.67	0.967	0.806	1.18	0.581	0.383	0.515	2.57	2.30E	3.24	24
25	2.10	2.85B	1.67	0.926	0.712	0.890	0.553	0.385	0.517	2.46	2.03E	2.65B	25
26	2.55	1.85B	1.47	0.795	0.657	0.822	0.552	0.385	0.529	2.38	1.84E	2.22B	26
27	2.37	1.50B	1.35	0.653	0.588	0.805	0.546	0.421	0.529	2.34	2.01E	1.85B	27
28	3.01	1.30B	1.21	0.634	0.564	0.802	0.540	0.559	0.504	2.33	1.44	4.02B	28
29	2.41 B		0.841	0.626	0.570	1.19	0.512	0.614	0.498	2.24	1.64	7.12B	29
30	1.80 B		0.931	0.619	0.548	0.854	0.771	0.474	0.960	2.24	2.78	11.1	30
31	1.55 B		1.09		0.514		0.482	0.435		2.20		7.11	31
TOTAL	36.572	60.73	74.931	36.294	27.820	21.183	22.056	14.626	15.171	61.087	80.79	81.75	TOTAL
MEAN	1.18	2.17	2.42	1.21	0.897	0.706	0.712	0.472	0.506	1.97	2.69	2.64	MEAN
MAX	3.40	5.65	8.21	2.16	2.54	1.19	1.43	1.59	0.960	4.03	7.15	11.7	MAX
MIN	0.290	1.05	0.670	0.619	0.514	0.493	0.482	0.363	0.401	0.513	1.84	1.31	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.46
MAXIMUM DAILY, 11.7 ON DEC 30
MINIMUM DAILY, 0.290B ON JAN 03
MAXIMUM INSTANTANEOUS,
15.6 AT 01:04 EST ON DEC 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 34 46 N
LONG 080 30 30 W
DRAINAGE AREA, 118 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1975

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 160	JUL	1 910
FEB	5 250	AUG	1 260
MAR	6 470	SEP	1 310
APR	3 140	OCT	5 280
MAY	2 400	NOV	6 980
JUN	1 830	DEC	7 060

TOTAL DISCHARGE, 46 100 dam³

CANARD RIVER NEAR LUKERVILLE - STATION NO. 02GH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.050E	0.725B	1.10 B	0.235E	0.221	0.087	0.073E	0.015	0.028E	0.148	0.368	1.31	1
2	0.106A	5.90 B	0.905B	0.315E	0.184	0.093A	0.097E	0.015	0.024E	0.110	0.381	0.735	2
3	0.132	10.8 B	0.805B	2.33 A	0.150	0.518A	0.090E	0.012	0.021E	0.100	0.379	4.56	3
4	2.08	6.76 B	0.695B	2.87	0.317	0.517	0.085E	0.014	0.020E	0.172	0.367	18.6	4
5	5.11	2.72 B	0.513B	2.35	1.77	0.328	0.077E	0.015	0.019E	0.165	1.22	12.6	5
6	4.34	2.06	0.460B	1.69	2.59	0.182	0.072E	0.014	1.28 E	0.224	4.85	4.72	6
7	4.03	4.59	0.524B	1.14	2.21	0.205A	0.061E	0.015	65.3 E	0.189	5.81	2.04	7
8	2.47	6.31	1.90 E	0.847	1.10	2.61 A	0.051E	0.013	63.8 A	0.215	3.80	1.21	8
9	1.88	4.72	3.20 E	0.679	0.599	1.66	0.044E	0.013	17.1 E	3.55	1.79	0.963	9
10	3.48	2.78	4.75 E	2.98	0.409	0.749	0.040E	0.013	11.4 E	15.3	1.09	0.837	10
11	3.94	1.75	7.00 E	14.0	0.294	0.847	0.036E	0.013	6.25 E	26.9	0.791	0.691	11
12	3.59	1.20	3.76 E	8.21	0.225	0.535A	0.032E	0.062	3.40 E	14.9	0.637	0.609	12
13	2.49 B	0.939	2.00 E	3.26	2.85	0.387E	0.031E	0.542	2.50 E	6.93	0.551	0.527	13
14	1.66 B	0.797	1.46 E	2.31	5.88	0.234E	0.030E	0.331A	2.40 E	3.31	0.457	0.414	14
15	1.06	0.852	0.925E	2.54	5.81	0.154E	0.030E	0.203E	19.4 E	1.94	0.367	0.373	15
16	0.959	0.961	0.980E	2.63	8.84	0.109E	0.030E	0.180E	25.0 E	1.28	0.323	0.447	16
17	2.99	2.00	0.960E	1.67	14.3	0.080E	0.028E	0.145E	21.0 E	1.03	0.249	0.467	17
18	13.0	2.73	0.690E	1.09	11.0	0.062E	0.027E	0.105E	30.0 E	1.96	0.195	0.700	18
19	12.1	3.95	0.530E	0.791	5.03	0.049E	0.025E	0.784A	31.0 E	2.47	0.216	2.14	19
20	4.41	3.31	0.405E	0.724	2.28	0.040E	0.023E	1.07 A	16.0 E	2.91	0.196	2.20	20
21	2.40	2.67	0.340A	4.21	1.16	0.035E	0.020E	1.21 A	20.5 E	2.28	0.152	2.75	21
22	1.56	24.7	0.620A	3.48	0.724	0.032E	0.019E	2.04 A	17.0 E	1.35	0.349	6.49	22
23	1.36	67.2	0.540A	2.78	0.524	0.035E	0.018E	1.61 A	5.25 E	0.938	0.727	8.12	23
24	2.43	20.6	0.470E	1.39	0.395	0.040E	0.018A	1.28 A	3.00 E	0.795	0.734	5.17 B	24
25	4.31	6.71	0.410E	0.919	0.299	0.043E	0.019	0.862A	2.00 E	0.632	0.798	2.93 B	25
26	4.48	3.41 E	0.369E	0.683	0.272	0.041E	0.017	0.421A	1.46 E	0.551	0.684	1.64 B	26
27	2.48	1.93 E	0.335E	0.523	0.218	0.036E	0.017	0.284E	0.673	0.480	0.705	0.949B	27
28	1.63	1.61 B	0.310E	0.410	0.181	0.037E	0.015	0.131E	0.391	0.465	1.80	0.576B	28
29	1.14		0.287E	0.336	0.158	0.040E	0.013	0.075E	0.254	0.447	2.20	5.16 B	29
30	0.941B		0.265E	0.273	0.138	0.041E	0.014	0.053E	0.185	0.403	2.00	68.7	30
31	0.826B		0.250E		0.118		0.015	0.038E		0.384		35.4 A	31
TOTAL	93.434	194.684	37.758	69.665	70.286	9.826	1.167	11.578	366.655	92.488	34.186	194.028	TOTAL
MEAN	3.01	6.95	1.22	2.32	2.27	0.328	0.038	0.374	12.2	2.98	1.14	6.26	MEAN
MAX	13.0	67.2	7.00	14.0	14.3	2.61	0.097	2.04	65.3	26.9	5.81	68.7	MAX
MIN	0.050	0.725	0.250	0.235	0.118	0.032	0.013	0.012	0.019	0.100	0.152	0.373	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.22
MAXIMUM DAILY, 68.7 ON DEC 30
MINIMUM DAILY, 0.012 ON AUG 03
MAXIMUM INSTANTANEOUS,
85.6 AT 20:30 EST ON SEP 07

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 09 33 N
LONG 083 01 05 W
DRAINAGE AREA, 159 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	8 070	JUL	101
FEB	16 800	AUG	1 000
MAR	3 260	SEP	31 700
APR	6 020	OCT	7 990
MAY	6 070	NOV	2 950
JUN	849	DEC	16 800

TOTAL DISCHARGE, 102 000 dam³

CARP RIVER NEAR KINBURN - STATION NO. 02KF011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.163B	1.06 B	1.05 B	2.79	3.73	0.793	0.207	0.471	0.331	2.43	2.54	2.81	1
2	0.149B	0.960B	0.930B	3.09	3.07	0.611	0.185	0.364	0.312	2.47	2.25	2.55	2
3	0.152B	0.890B	0.860B	5.89	2.46	0.520	0.171	0.297	0.273	2.19	2.12	2.15	3
4	0.160B	0.853B	0.815B	16.9	2.19	0.492	0.143	0.224	0.210	1.69	2.07	1.24	4
5	0.175B	0.746B	0.794B	23.5	2.02	0.477	0.141	0.176	0.174	1.33	2.05	2.22	5
6	0.195B	0.660B	0.785B	22.4	1.86	0.434	0.120	0.164	0.140	1.24	3.40	2.59	6
7	0.210B	0.580B	0.725B	16.4	1.67	0.366	0.107	0.160	0.111	1.17	5.72	2.42	7
8	0.220B	0.530B	0.610B	11.2	1.55	0.337	0.158E	0.166	0.102E	0.994	5.23	2.23	8
9	0.230B	0.950B	0.500B	7.50	1.79	0.333	0.162E	0.192	0.095E	1.01	4.10	2.18	9
10	0.240B	2.80 B	0.485B	6.68	2.18	0.310	0.172E	0.264	0.099E	2.17	3.51	2.27	10
11	0.250B	2.50 B	0.980B	10.8	2.60	0.354	0.152E	0.338	0.123	2.87	3.50	1.92 B	11
12	0.270B	2.11 B	5.38 B	13.3	2.59	0.477	0.130E	0.371	0.153	3.15	3.15	1.83 B	12
13	0.260B	1.70 B	17.0 B	11.6	2.04	0.496	0.115E	0.341	0.231	3.44	1.84	1.71 B	13
14	0.255B	2.50 B	23.1 B	9.28	1.65	0.440	0.135E	0.305	0.467	5.48	2.72	1.59 B	14
15	0.250B	2.05 B	26.8 B	8.44	1.39	0.424	0.145E	0.286	0.612	5.43	2.39	1.36 B	15
16	0.245B	1.62 B	31.6 B	9.30	1.25	0.390	0.110E	0.244	0.484	4.78	2.41	1.09 B	16
17	0.240B	1.20 B	31.8 B	9.15	1.30	0.330	0.072A	0.206	0.384	3.78	2.98	0.988B	17
18	0.300B	0.940B	29.0 B	8.03	3.35	0.293	0.071A	0.203	0.318	3.49	3.09	1.05 B	18
19	0.800B	0.815B	22.3 B	6.60	3.63	0.241	0.069A	0.212	0.285	5.43	2.48	1.18 B	19
20	1.30 B	0.745B	18.0 B	5.56	2.72	0.212	0.129A	0.198	0.228	5.26	2.12	1.25 B	20
21	1.20 B	0.690B	12.2 B	6.96	3.53	0.198	0.141A	0.197	0.200	4.45	1.93	1.21 B	21
22	1.00 B	0.680B	11.2 B	8.03	4.07	0.189	0.234	0.186	0.229	3.43	2.04	1.95 B	22
23	0.756B	1.10 B	13.2	7.25	3.13	0.182	0.483	0.162	0.208	2.78	3.72	0.88	23
24	0.620B	1.60 B	11.1	5.89	2.42	0.204	0.567	0.128	0.295	2.48	4.53	13.2	24
25	0.700B	1.65 B	8.40 B	5.38	2.09	0.292	0.694	0.113	0.536	2.29	3.95	12.2 B	25
26	1.83 B	1.70 B	6.28 B	6.31	1.66	0.310	0.730	0.097	0.684	2.17	3.32	10.8 B	26
27	2.47 B	1.50 B	4.72 B	5.93	1.36	0.273	0.813	0.095E	0.618	2.02	2.93	8.77 B	27
28	2.29 B	1.20 B	3.74 B	4.90	1.14	0.239	0.837	0.093A	0.505	1.99	3.48	6.69 B	28
29	2.14 B		3.59 B	4.19	0.951	0.228	0.808	0.405	0.451	3.03	3.65	5.85 B	29
30	1.71 B		3.02	3.99	0.828	0.223	0.714	0.404	1.01	3.48	3.29	11.6	30
31	1.29 B		2.66		0.827		0.601	0.361		2.95		13.7	31
TOTAL	22.070	36.329	293.024	267.24	67.046	10.668	9.316	7.423	9.868	90.874	92.51	131.478	TOTAL
MEAN	0.712	1.30	9.45	8.91	2.16	0.356	0.301	0.240	0.329	2.93	3.08	4.24	MEAN
MAX	2.47	2.80	31.8	23.5	4.07	0.793	0.837	0.471	1.01	5.48	5.72	13.7	MAX
MIN	0.149	0.530	0.485	2.79	0.827	0.182	0.069	0.093	0.095	0.994	1.84	0.988	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.84
MAXIMUM DAILY, 31.8B ON MAR 17
MINIMUM DAILY, 0.069A ON JUL 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 25 03 N
LONG 076 11 55 W
DRAINAGE AREA, 269 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 910	JUL	805
FEB	3 140	AUG	641
MAR	25 300	SEP	853
APR	23 100	OCT	7 850
MAY	5 790	NOV	7 990
JUN	922	DEC	11 400

TOTAL DISCHARGE, 89 700 dam³

CARRICK CREEK NEAR CARLSRUHE - STATION NO. 02FC011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.68B	2.56E	1.68 B	2.99E	1.10	0.820	0.473	0.594	0.219	1.01	1.09	4.76	1
2	1.34B	2.99	1.63 B	3.36E	1.07	0.959	0.415	0.370	0.223	0.837	1.06	3.97	2
3	1.99B	2.62B	1.49 B	4.72E	1.05	1.05	0.369	0.309	0.205	0.613	1.02	3.32B	3
4	2.74B	2.26B	1.32 E	4.08E	1.02	1.03	0.333	0.276	0.213	0.822	1.06	4.00	4
5	4.72B	2.03B	1.18 B	3.30E	1.47	0.907	0.310	0.282	0.285	1.24	2.52	3.88	5
6	3.63B	1.92B	1.10 B	2.90E	1.30	0.831	0.300	0.288	0.260	0.987	10.4	3.56	6
7	2.63B	1.84	1.00 B	2.59	1.10	0.796	0.296	0.271	0.265	0.738	6.92	3.25	7
8	2.26B	1.98	0.945B	2.38	1.12	0.740	0.311	0.256	0.260	0.675	5.06	3.02B	8
9	2.11B	5.01E	0.880B	2.24	0.950	0.757	0.784	0.234	0.240	2.51	4.07	2.97	9
10	2.03B	6.53	3.30 B	2.50	1.01	0.686	0.475	0.228	0.260	5.06	3.67	3.54	10
11	1.98B	3.75B	7.00 B	3.22	1.10	0.656	0.364	0.213	0.262	5.75	3.50	3.22	11
12	1.88B	2.93B	22.0	2.74	1.05	0.620	0.314	0.234	0.221	1.63	3.08	2.85	12
13	1.76B	2.68	25.8	2.34	1.02	0.631	0.297	0.486	0.213	2.80	2.81	3.96	13
14	1.67B	2.58B	21.0 E	2.35	0.955	0.684	0.292	0.494	0.243	2.12	2.69	3.20B	14
15	1.59B	2.30B	13.6 E	3.05	0.887	0.766	0.316	0.364	0.740	2.02	3.66	2.81B	15
16	1.50B	2.09B	9.05	3.05	0.981	0.604	0.315	0.307	0.524	1.71	4.25	2.76	16
17	4.30B	1.92B	7.10	3.59	3.08	0.528	0.296	0.257	0.299	1.99	3.44	2.58B	17
18	12.1 B	1.77B	5.64	3.41	4.78	0.496	0.320	0.239	0.275	3.23	2.61	3.45	18
19	10.0 B	1.64B	4.64	2.76	2.94	0.464	0.287	0.238	0.285	4.43	2.26	4.22	19
20	6.80B	1.58B	3.85	2.62	5.56	0.411	0.368	0.240	0.292	3.17	2.07	3.21	20
21	4.95B	1.66B	3.40	3.10	6.51	0.463	0.387	0.242	0.262	2.30	1.93	2.79	21
22	3.68B	2.36	3.39	2.68	3.74	0.418	0.333	0.248	0.332	1.89	4.81	4.21	22
23	3.20B	5.95B	7.17	2.61	2.61	0.637	0.334	0.239	0.366	1.64	6.75	4.91	23
24	2.83B	4.10B	5.44	2.07	2.02	0.744	0.297	0.221	0.479	1.50	5.08	3.68B	24
25	3.30B	2.76B	4.20	1.86	1.69	0.646	0.275	0.215	0.313	1.39	4.37	3.13B	25
26	6.02E	2.35B	3.69	1.69	1.49	0.472	0.257	0.213	0.675	1.29	3.77	2.80B	26
27	4.55E	2.11B	3.13	1.54	1.36	0.432	0.241	0.219	0.642	1.18	6.35	2.47B	27
28	5.40E	1.93B	2.86	1.47	1.17	0.408	0.233	0.521	0.400	1.30	11.9	2.27B	28
29	4.34E		2.71	1.34	1.06	0.606	0.227	0.395	0.376	1.38	9.30	2.70B	29
30	3.38E		2.90 E	1.25	1.01	0.563	0.700	0.280	0.870	1.23	5.94	21.7	30
31	2.77E		3.21 E		0.888		1.29	0.240		1.13		11.8 B	31
TOTAL	113.33	77.00	176.305	79.50	57.091	19.825	11.809	9.213	10.499	61.572	127.44	138.07	TOTAL
MEAN	3.66	2.75	5.69	2.65	1.84	0.661	0.381	0.297	0.350	1.99	4.25	4.45	MEAN
MAX	12.1	6.53	25.8	4.72	6.51	1.05	1.29	0.594	0.870	5.75	11.9	21.7	MAX
MIN	1.50	1.58	0.880	1.25	0.887	0.408	0.227	0.213	0.205	0.613	1.02	2.27	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.42
MAXIMUM DAILY, 25.8 ON MAR 13
MINIMUM DAILY, 0.205 ON SEP 03
MAXIMUM INSTANTANEOUS,
26.4 AT 05:16 EST ON MAR 13

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 06 47 N
LONG 081 01 12 W
DRAINAGE AREA, 163 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	9 790	JUL	1 020
FEB	6 650	AUG	796
MAR	15 200	SEP	907
APR	6 870	OCT	5 320
MAY	4 930	NOV	11 000
JUN	1 710	DEC	11 900

TOTAL DISCHARGE, 76 100 dam³

CASTOR RIVER AT RUSSELL - STATION NO. 02LB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.510B	3.80B	3.80B	7.28	4.19	1.24	0.430	0.324	0.615	8.07	2.65	4.77	1
2	0.520B	3.47B	3.20B	8.84	3.49	1.19	0.426	0.341	0.441	6.12	2.39	4.09	2
3	0.520B	3.20B	2.76B	16.7	3.07	1.06	0.408	0.324	0.359	4.07	2.26	3.36	3
4	0.528B	2.91B	2.49B	68.5	2.71	1.06	0.368	0.274	0.295	3.00	2.20	2.96	4
5	1.19 B	2.68B	2.12B	54.6	2.65	0.952	0.350	0.344	0.285	3.59	2.34	6.07B	5
6	1.14 B	2.48B	1.98B	29.1	2.92	0.865	0.342	0.400	0.301	3.44	6.00	6.58B	6
7	1.11 B	2.37B	1.80B	16.2	2.91	0.799	0.370	0.404	0.320	2.50	10.1	5.89B	7
8	1.08 B	2.25B	1.72B	11.1	2.76	0.737	0.336	0.367	0.219	1.88	7.20	5.27	8
9	1.04 B	6.00B	1.65B	9.33	2.81	0.710	0.335	0.341	0.203	1.64	5.39	4.99	9
10	1.02 B	13.5 B	1.60B	12.5	3.30	0.687	0.291	0.306	0.268	6.39	4.90	5.66	10
11	1.01 B	8.10B	1.66B	21.2	6.73	0.749	0.263	0.273	0.319	7.40	6.17	5.82B	11
12	0.996B	7.07B	13.5 B	24.2	6.25	0.765	0.251	0.264	0.316	8.70	5.59	4.98B	12
13	0.982B	5.19B	38.0 B	16.2	4.65	0.704	0.225	0.342	0.368	10.8	3.80B	3.83B	13
14	0.970B	11.6 B	36.0 B	15.4	3.75	0.607	0.205	0.320	0.335	17.1	3.62B	3.56B	14
15	0.963B	9.10B	34.0 B	21.6	3.21	0.563	0.204	0.448	0.340	11.3	3.04	3.21B	15
16	0.959B	6.80B	52.7 B	18.9	2.89	0.533	0.217	0.497	0.296	7.35	3.21	2.94B	16
17	1.10 B	5.15B	78.9 B	15.7	3.93	0.615	0.203	0.410	0.260	5.40	5.91	2.54B	17
18	9.90 B	4.30B	67.9 B	12.4	13.3	0.694	0.200	0.461	0.269	5.11	6.41	2.60	18
19	12.0 B	3.80B	29.9	9.59	10.8	0.587	0.177	0.442	0.240	8.27	4.71	3.68B	19
20	8.20 B	3.40B	21.7	8.90	7.46	0.511	0.500	0.721	0.244	7.06	3.81	5.54B	20
21	5.36 B	3.00B	17.9	13.9	12.8	0.517	0.583	0.512	0.234	5.19	3.35	5.61B	21
22	3.50 B	2.80B	17.3	13.2	10.6	0.529	1.08	0.357	0.277	4.20	3.35	7.87B	22
23	2.63 B	11.0 B	20.4	10.5	7.12	0.603	1.20	0.295	0.306	3.52	7.33	42.0 B	23
24	2.51 B	10.9 B	14.1	8.78	5.41	0.679	1.66	0.248	0.409	3.14	8.69	35.9 B	24
25	2.41 B	10.0 B	9.84	8.20	4.38	0.713	1.51	0.229	0.477	3.04	7.21	18.5 B	25
26	10.4 B	9.00B	8.30	8.23	3.48	0.692	0.949	0.215	0.471	2.89	6.07	14.2 B	26
27	8.00 B	7.00B	6.30	7.27	2.87	0.637	0.675	0.199	0.419	2.74	5.33	13.7 B	27
28	7.11 B	5.42B	5.36	6.38	2.39	0.543	0.519	0.186	0.391	2.63	8.52	17.0 B	28
29	6.51 B		5.07	5.39	2.01	0.485	0.398	0.823	0.416	3.25	8.04	21.0 B	29
30	5.19 B		4.82	4.69	1.76	0.471	0.314	1.46	2.32	3.39	6.00	55.4 B	30
31	4.36 B		4.73		1.54		0.340	0.901		3.00		23.6 B	31
TOTAL	103.718	166.29	511.50	484.78	148.14	21.497	15.329	13.028	12.013	166.38	155.59	343.12	TOTAL
MEAN	3.35	5.94	16.5	16.2	4.78	0.717	0.495	0.420	0.400	5.37	5.19	11.1	MEAN
MAX	12.0	13.5	78.9	68.5	13.3	1.24	1.66	1.46	2.32	17.1	10.1	55.4	MAX
MIN	0.510	2.25	1.60	4.69	1.54	0.471	0.177	0.186	0.203	1.84	2.20	2.54	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.87
MAXIMUM DAILY, 78.9B ON MAR 17
MINIMUM DAILY, 0.177 ON JUL 19
MAXIMUM INSTANTANEOUS,
87.1 AT 17:16 EST ON APR 04

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 15 43 N
LONG 075 20 40 W
DRAINAGE AREA, 433 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	8 960	JUL	1 320
FEB	14 400	AUG	1 130
MAR	44 200	SEP	1 040
APR	41 900	OCT	14 400
MAY	12 800	NOV	13 400
JUN	1 860	DEC	29 600

TOTAL DISCHARGE, 185 000 dam³

CAT RIVER BELOW WESLEYAN LAKE - STATION NO. 04GA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	24.0E	21.8E	18.7E	18.6E	33.0E	64.5	97.7	64.6	35.4	25.1	21.7	20.2E	1
2	23.9E	21.7E	18.7E	18.7E	36.0E	67.6	96.5	63.3	34.6	24.9	21.6	20.1E	2
3	23.8E	21.6E	18.6E	18.7E	38.5E	74.1	95.5	62.9	34.5	24.9	21.6	20.1E	3
4	23.8E	21.4E	18.6E	18.7E	42.0E	75.8	95.1	61.5	36.5	25.3	21.4	20.0E	4
5	23.7E	21.3E	18.5E	18.7E	44.0E	76.5	94.8	59.8	35.5	25.4	21.2	20.0E	5
6	23.6E	21.2E	18.4E	18.7E	46.8E	78.1	93.8	58.4	34.9	25.2	21.1	20.0E	6
7	23.5E	21.1E	18.4E	18.8E	49.5E	80.0	93.1	57.1	33.9	25.1	21.1	19.9E	7
8	23.4E	21.0E	18.4E	18.8E	52.5E	81.6	93.0	56.3	33.3	24.9	20.9	19.9E	8
9	23.4E	20.9E	18.3E	18.8E	54.8E	84.3	93.5	54.9	32.7	24.4	20.9	19.9E	9
10	23.3E	20.8E	18.3E	18.8E	56.5E	85.9	93.2	53.5	32.2	24.1	20.9	19.8E	10
11	23.3E	20.7E	18.3E	18.8E	58.2E	86.9	92.1	52.4	31.4	23.9	20.8	19.8E	11
12	23.2E	20.6E	18.3E	18.8E	59.8E	88.3	90.7	51.4	30.8	23.8	20.9	19.8E	12
13	23.2E	20.5E	18.2E	18.9E	61.0E	89.3	89.5	50.2	29.8	23.5	20.9	19.7E	13
14	23.1E	20.4E	18.2E	18.9E	62.2E	89.9	88.1	49.0	29.8	23.2	20.8	19.7E	14
15	23.1E	20.2E	18.2E	18.9E	62.6E	90.4	86.8	48.3	29.6	23.3	20.6	19.6E	15
16	23.0E	20.1E	18.2E	18.9E	63.3E	90.9	85.5	47.5	29.1	23.3	20.6	19.6E	16
17	23.0E	20.0E	18.3E	18.9E	63.6E	91.2	83.6	46.8	28.5	23.1	21.0	19.5E	17
18	22.9E	19.9E	18.3E	18.9E	63.3E	92.1	82.6	45.3	28.3	22.9	20.8	19.4E	18
19	22.9E	19.8E	18.4E	18.9E	62.8E	93.0	81.2	44.2	28.2	22.5	20.7	19.4E	19
20	22.9E	19.7E	18.4E	18.9E	62.1E	94.3	79.7	43.3	28.0	22.2	20.4	19.3E	20
21	22.8E	19.6E	18.4E	18.9E	60.9E	96.0	78.2	42.3	27.9	22.2	20.4	19.3E	21
22	22.8E	19.5E	18.4E	19.0E	60.2E	97.4	77.1	41.6	28.0	22.1	20.8E	19.2E	22
23	22.7E	19.3E	18.5E	19.5E	59.3E	97.7	75.9	40.6	27.8	22.1	20.7E	19.1E	23
24	22.6E	19.2E	18.5E	20.2E	57.5	98.1	74.4	40.2	27.3	22.1	20.6E	19.1E	24
25	22.4E	19.1E	18.5E	21.2E	57.4	98.1	73.1	39.5	26.9	22.1	20.5E	19.0E	25
26	22.3E	19.0E	18.5E	21.8E	57.5	98.7	71.8	38.9	26.6	22.1	20.4E	19.0E	26
27	22.2E	18.9E	18.6E	22.1E	58.4	98.8	70.3	38.1	26.4	22.0	20.4E	19.0E	27
28	22.1E	18.9E	18.6E	24.1E	61.0	99.1	69.0	37.6	26.1	22.0	20.3E	18.9E	28
29	22.0E		18.6E	25.5E	62.2	99.8	68.5	37.2	25.7	21.9	20.3E	18.9E	29
30	22.0E		18.6E	26.8E	63.2	99.1	66.8	36.8	25.4	21.7	20.2E	18.8E	30
31	21.9E		18.6E		64.0		65.6	35.7		21.7		18.8E	31
TOTAL	712.8	568.2	571.5	600.2	1 734.1	2 657.5	2 596.7	1 499.2	905.1	723.2	624.5	604.8	TOTAL
MEAN	23.0	20.3	18.4	20.0	55.9	88.6	83.8	48.4	30.2	23.3	20.8	19.5	MEAN
MAX	24.0	21.8	18.7	26.8	64.0	99.8	97.7	64.6	36.5	25.4	21.7	20.2	MAX
MIN	21.9	18.9	18.2	18.6	33.0	64.5	65.6	35.7	25.4	21.7	20.2	18.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 37.8
MAXIMUM DAILY, 99.8 ON JUN 29
MINIMUM DAILY, 18.2E ON MAR 13
MAXIMUM INSTANTANEOUS,
99.9 AT 23:47 EST ON JUN 28

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 10 00 N
LONG 091 35 50 W
DRAINAGE AREA, 5 390 km²

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	61 600	JUL	224 000
FEB	49 100	AUG	130 000
MAR	49 400	SEP	78 200
APR	51 900	OCT	62 500
MAY	150 000	NOV	54 000
JUN	230 000	DEC	52 300

TOTAL DISCHARGE, 1 190 000 dam³

CATARAQUI RIVER AT CHAFFEYS LOCKS - STATION NO. 02MA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.227	5.99	12.7	0.609	3.04	---	---	---	---	---	1.75	0.879	1
2	0.997	5.08	12.5	2.48	5.05	---	---	---	---	---	0.974	0.890	2
3	1.56	3.61	12.3	9.31	5.94	---	---	---	---	---	0.326	1.88	3
4	1.58	3.62	12.3	12.1	3.22	---	---	---	---	---	0.315	2.84	4
5	0.860	7.90	8.76	13.8	0.453	---	---	---	---	---	2.05	4.56	5
6	0.220	11.2	6.58	14.5	0.457	---	---	---	---	---	3.66	5.50	6
7	0.218	11.3	8.97	14.5	3.03	---	---	---	---	---	3.26	6.44	7
8	1.15	8.40	10.3	14.5	5.24	---	---	---	---	---	3.04	0.665	8
9	1.79	2.87	10.2	13.3	5.19	---	---	---	---	---	2.24	0.690	9
10	1.81	0.455	9.88	12.7	7.63	---	---	---	---	---	1.14	0.745	10
11	1.83	0.522	9.86	13.1	5.21	---	---	---	---	---	1.17	2.09	11
12	0.929	3.68	9.95	13.1	1.88	---	---	---	---	---	1.16	2.83	12
13	0.227	5.49	10.1	13.1	2.94	---	---	---	---	---	2.68	2.80	13
14	0.229	5.67	10.2	13.1	6.71	---	---	---	---	---	3.44	1.22	14
15	1.22	5.79	10.3	13.1	9.34	---	---	---	---	---	3.31	0.250	15
16	1.90	6.10	8.65	13.1	9.56 A	---	---	---	---	10.6 A	1.38	0.252	16
17	1.91	5.97	11.4	13.1	---	---	---	---	---	11.1	0.259	1.88	17
18	2.07	5.92	11.9	13.9	---	---	---	---	---	7.53	0.233	2.94	18
19	2.19	5.82	10.4	14.3	---	---	---	---	---	5.94	2.13	3.06	19
20	2.19	5.77	9.15	12.6	---	---	---	---	---	5.59	3.28	3.03	20
21	2.22	5.69	9.24	9.95	---	---	---	---	---	5.30	3.18	3.04	21
22	3.78	5.64	9.16	10.1	---	---	---	---	---	5.55	3.11	3.23	22
23	4.03	8.24	9.18	11.6	---	---	---	---	---	2.68	3.07	6.98	23
24	4.75	9.47	9.22	14.2	---	---	---	---	---	3.22	3.05	10.5	24
25	4.76	9.41	9.19	15.0	---	---	---	---	---	3.93	2.98	10.7	25
26	2.11	9.17	7.15	15.0	---	---	---	---	---	2.89	4.77	12.3	26
27	0.246	9.11	5.84	14.9	---	---	---	---	---	2.32	5.77	14.0	27
28	0.234	11.4	5.77	14.1	---	---	---	---	---	2.30	5.69	13.9	28
29	2.89		5.71	14.1	---	---	---	---	---	3.02	5.62	13.7	29
30	5.64		3.18	7.30	---	---	---	---	---	3.44	2.78	14.1	30
31	6.06		0.611		---		---	---		2.35		14.3	31
TOTAL	62.727	179.287	280.651	366.549	---	---	---	---	---	---	77.817	158.191	TOTAL
MEAN	2.02	6.40	9.05	12.2	---	---	---	---	---	---	2.59	5.10	MEAN
MAX	6.06	11.4	12.7	15.0	---	---	---	---	---	---	5.77	14.3	MAX
MIN	0.218	0.455	0.611	0.609	---	---	---	---	---	---	0.233	0.250	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM INSTANTANEOUS,
15.1 AT 08:34 EST ON APR 24

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 34 43 N
LONG 076 19 13 W
DRAINAGE AREA, 394 km²
A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	5 420	JUL	---
FEB	15 500	AUG	---
MAR	24 200	SEP	---
APR	31 700	OCT	---
MAY	---	NOV	6 720
JUN	---	DEC	13 700

REMARKS - SEASONAL OPERATION (MID-OCT TO MID-MAY)

CATFISH CREEK AT AYLMER - STATION NO. 02GC030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.330B	1.22	1.11 B	1.35	0.464	0.429	2.03	0.140	0.708	0.575	0.695	1.58	1
2	0.500B	4.91	1.35 B	1.80	0.437	0.386	0.635	0.149	0.520	0.532	0.687	1.31	2
3	0.764	2.87	2.16 B	2.19	0.408	0.933	0.398	0.130	0.388	0.450	0.694	1.47	3
4	1.76	1.91	1.29 B	1.95	0.489	0.820	0.310	0.147	0.323	4.09	0.721	20.3	4
5	5.26 B	1.43	0.897B	1.57	0.580	0.616	0.248	0.192	0.299	3.05	3.09	9.76	5
6	3.02 B	1.33	0.587B	1.37	0.500	0.516	0.214	0.223	0.555	1.44	13.9	4.14	6
7	1.83	2.70	0.405B	1.16	0.452	0.458	0.188	0.203	4.99	0.963	5.75	3.17	7
8	1.51	6.07	0.385B	0.977	0.451	1.06	0.186	0.171	1.95	0.752	3.07	3.06	8
9	1.36	8.92	2.55 B	0.853	0.428	1.13	2.09	0.142	0.979	2.72	2.28	3.28	9
10	2.95 B	6.33	5.00 B	2.14	0.463	0.708	1.03	0.131	2.06	3.92	2.63	4.06	10
11	2.34	2.99	10.0 B	5.93	0.410	0.545	0.497	0.131	3.53	5.46	2.11	2.79	11
12	1.63 B	2.01	11.2	2.67	0.369	0.459	0.364	0.141	1.37	4.19	1.74	2.09	12
13	1.04 B	1.74	11.9	1.77	1.37	0.402	0.274	0.471	0.851	7.68	1.48	2.07	13
14	0.821B	2.03	8.39	1.55	1.55	0.301	0.441	0.371	1.58	3.77	1.31	1.61	14
15	0.833	1.39 B	5.25	1.59	1.05	0.339	0.684	0.238	6.87	2.22	1.24	1.45	15
16	1.29	1.42 B	3.93	1.36	3.41	0.290	0.498	0.181	2.93	1.55	1.21	2.18	16
17	8.00 B	1.11 B	3.41	1.32	7.81	0.270	0.367	0.160	1.81	1.27	1.16	2.00	17
18	22.0 B	0.932B	2.42	1.10	4.70	0.268	0.291	0.162	1.14	4.33	1.02	4.54	18
19	10.7	0.862B	2.09	0.932	2.50	0.240	0.250	0.224	1.10	3.74	0.950	6.27	19
20	3.90	0.729B	2.02	1.08	1.97	0.228	0.270	0.186	1.33	1.96	0.882	3.08	20
21	2.52	0.620B	1.79	3.21	1.71	0.230	0.245	0.182	1.00	1.53	0.831	2.86	21
22	1.87	7.00 B	1.79	2.08	1.43	0.249	0.243	0.173	1.37	1.40	2.43	7.53	22
23	1.45 B	26.5	2.33	1.19	1.19	0.407	0.255	0.157	1.05	1.34	3.66	12.9	23
24	2.80 B	12.5	1.59	1.15	0.960	0.357	0.212	0.152	1.06	1.16	2.61	11.2 A	24
25	3.80 B	4.34 B	1.31	0.936	0.811	0.452	0.219	0.142	0.994	1.02	1.90	6.50B	25
26	4.84	2.83 B	1.14	0.800	0.728	0.360	0.182	0.134	0.787	0.919	1.48	3.00B	26
27	2.60	1.93	0.948	0.690	0.596	0.403	0.164	0.169	0.659	0.845	4.09	1.50B	27
28	2.81	1.40 B	0.864	0.612	0.530	0.338	0.150	4.36	0.580	0.843	4.29	3.00B	28
29	1.88		0.830	0.551	0.539	0.307	0.145	11.6	0.528	0.769	3.00	12.0 E	29
30	1.46		1.13	0.508	0.506	0.365	0.148	2.30	0.574	0.757	1.96	11.0 E	30
31	1.22		1.41		0.455		0.151	1.12		0.716		15.0 E	31
TOTAL	99.118	110.023	91.896	46.669	39.266	14.146	13.369	24.382	43.885	65.921	72.890	188.70	TOTAL
MEAN	3.20	3.93	2.96	1.56	1.27	0.472	0.431	0.787	1.46	2.13	2.43	6.09	MEAN
MAX	22.0	26.5	11.9	5.93	7.81	1.13	2.09	11.6	6.87	7.68	13.9	31.0	MAX
MIN	0.330	0.620	0.385	0.508	0.369	0.228	0.145	0.130	0.299	0.450	0.687	1.31	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.22
MAXIMUM DAILY, 31.0E ON DEC 30
MINIMUM DAILY, 0.130 ON AUG 03

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 46 25 N
LONG 080 58 58 W
DRAINAGE AREA, 120 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	8 560	JUL	1 160
FEB	9 510	AUG	2 110
MAR	7 940	SEP	3 790
APR	4 030	OCT	5 700
MAY	3 190	NOV	6 300
JUN	1 220	DEC	16 300

TOTAL DISCHARGE, 70 000 dam³

CATFISH CREEK NEAR SPARTA - STATION NO. 02GC018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.657	1.88 B	1.56 B	2.51	1.16	0.663	3.39	0.158	1.62	1.18	1.02	3.26	1
2	0.720B	8.00 B	1.69 B	2.52	1.21	0.627	1.50	0.137	1.09	1.11	0.977	2.76	2
3	0.920	6.70 B	3.85 B	5.09	1.19	1.66	0.795	0.131	0.766	0.966	0.910	2.31	3
4	1.19 B	3.95 B	2.14 B	4.25	1.22	1.64	0.543	0.131	0.593	10.2	0.875	51.8	4
5	7.59 B	2.77 B	1.50 B	3.47	1.45	1.20	0.415	0.201	0.518	8.40	7.17	20.7	5
6	5.47 B	2.37 B	1.10 B	3.10	1.27	0.978	0.319	0.208	1.38	3.60	35.0	8.81	6
7	3.05 B	4.38 B	0.960B	5.86	0.953	0.817	0.263	0.394	19.3	2.31	12.4	6.35	7
8	2.39 B	15.4	0.870B	5.46	0.748	2.83	0.217	0.223	6.04	1.72	6.34	5.95	8
9	2.29	24.0	1.70 B	4.18	0.602	4.97	3.86	0.171	2.57	5.43	4.38	6.44	9
10	4.92	16.1	4.20 B	4.75	0.648	1.64	2.83	0.136	10.5	10.2	5.44	8.54	10
11	5.92	6.77	13.0 B	15.8	0.605	1.17	1.07	0.129	11.2	15.3	4.63	5.80	11
12	3.90 B	3.90 B	29.0 B	6.89	0.568	0.934	0.668	0.139	3.48	12.1	3.90	4.01	12
13	2.31 B	3.10 B	30.4	4.25	2.05	0.791	0.482	0.689	1.97	19.5	3.33	3.64	13
14	1.57 B	3.86	19.1	3.72	3.44	0.683	0.873	0.657	4.15	8.43	2.97	2.96	14
15	1.62 B	2.61 B	11.2	3.70	2.06	0.628	1.63	0.415	18.1	4.67	2.74	2.48	15
16	2.29	2.37 B	8.03	3.06	7.12	0.497	1.12	0.247	7.41	3.20	2.67	3.52	16
17	19.4 B	2.00 B	7.02	2.74	18.6	0.442	0.723	0.192	4.56	2.51	2.61	3.55	17
18	68.2	1.75 B	4.81	2.37	11.2	0.401	0.534	0.170	2.64	11.2	2.33	9.81	18
19	24.5	1.69 B	3.85	1.99	5.48	0.359	0.462	0.229	2.23	9.59	2.11	15.5	19
20	9.17	1.17 B	3.86	2.10	4.00	0.343	0.422	0.324	2.73	4.41	1.94	6.87	20
21	5.13	0.928B	3.30	7.35	3.58	0.312	0.466	0.223	2.15	3.06	1.65	5.41	21
22	3.65 B	13.0 B	3.34	4.97	2.84	0.332	0.405	0.207	3.14	2.59	5.31	18.1	22
23	2.63 B	69.0 B	4.30	3.33	2.18	0.876	0.443	0.193	2.49	2.44	9.23	29.3	23
24	5.90	20.0 B	3.34	2.52	1.77	1.96	0.357	0.184	1.98	2.13	5.56	17.3	24
25	10.1 B	7.00 B	2.52	1.97	1.44	0.960	0.281	0.173	2.00	1.83	3.85	6.55B	25
26	12.5	4.67 B	2.16	1.66	1.25	0.705	0.265	0.162	1.62	1.57	2.95	3.48B	26
27	5.89	3.21 B	1.88	1.46	1.12	0.695	0.206	0.150	1.41	1.57	7.06	2.51B	27
28	6.53	2.14 B	1.67	1.27	0.974	0.611	0.184	62.9 A	1.24	1.29	8.99	2.33B	28
29	3.98 B		1.51	1.18	0.924	0.532	0.175	42.3	1.11	1.19	6.49	45.7	29
30	2.51 B		1.92	1.20	0.866	0.485	0.168	6.90	1.12	1.09	4.00	86.9	30
31	1.97 B		2.58		0.740		0.177	2.69		1.07		37.2	31
TOTAL	229.467	234.618	178.350	107.72	83.258	28.341	25.238	121.163	121.107	155.656	158.832	436.84	TOTAL
MEAN	7.40	8.38	5.75	3.59	2.69	0.945	0.814	3.91	4.04	5.02	5.29	14.1	MEAN
MAX	68.2	69.0	30.4	15.8	18.6	2.97	3.86	62.9	19.3	19.5	35.0	86.9	MAX
MIN	0.657	0.928	0.870	1.18	0.568	0.312	0.168	0.129	0.518	0.966	0.875	2.33	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.15
MAXIMUM DAILY, 86.9 ON DEC 30
MINIMUM DAILY, 0.129 ON AUG 11
MAXIMUM INSTANTANEOUS,
102 AT 08:10 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 44 46 N
LONG 081 03 29 W
DRAINAGE AREA, 287 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	19 800	JUL	2 180
FEB	20 300	AUG	10 500
MAR	15 400	SEP	10 500
APR	9 310	OCT	13 400
MAY	7 190	NOV	13 700
JUN	2 450	DEC	37 700

TOTAL DISCHARGE, 162 000 dam³

CEDAR CREEK AT WOODSTOCK - STATION NO. 02GD011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.260B	0.856	1.00 B	0.617	0.431	0.408	0.384	0.320	0.178	0.275	0.556	0.896	1
2	0.230B	1.41	0.924B	0.964	0.304	0.326	0.349	0.277	0.172	0.270	0.454	0.754	2
3	0.300B	1.20	1.01 B	1.31	0.350	0.914	0.292	0.252	0.175	0.527	0.405	0.868	3
4	0.670B	0.931	0.806B	1.30	0.431	0.772	0.228	0.222	0.174	0.748	0.379	2.33	4
5	1.11 B	0.819	0.634B	1.21	0.649	0.631	0.226	0.249	0.150	0.802	1.50	2.26	5
6	1.15 B	0.777	0.541B	0.698	0.508	0.522	0.234	0.227	0.230	0.568	4.50	1.53	6
7	0.860	0.807	0.510B	0.912	0.455	0.447	0.203	0.219	0.295	0.445	4.41	1.21	7
8	0.651	1.29	0.480B	0.836	0.455	0.504	0.778	0.196	0.232	0.382	2.95	1.06	8
9	0.591	4.48 B	1.52 B	0.793	0.457	0.506	8.13	0.188	0.211	0.685	1.59	1.13	9
10	0.708	5.82	3.69	1.10	0.421	0.457	4.87	0.174	0.175	0.952	1.36	1.61	10
11	0.802B	3.75	4.94	1.95	0.353	0.399	2.68	0.195	0.159	1.16	1.23	1.48	11
12	0.640	1.95	7.05	1.51	0.364	0.361	1.37	0.261	0.154	1.43	1.04	1.18	12
13	0.503	1.32	8.53	1.18	0.973	0.313	0.694	0.452	0.155	1.96	0.915	1.28	13
14	0.480	1.42	7.43	1.08	0.886	0.294	0.661	0.301	0.384	1.53	0.832	1.23	14
15	0.445	1.08	5.51	1.14	0.703	0.248	0.764	0.229	0.569	1.13	0.806	0.908	15
16	0.486	0.920B	4.29	1.07	1.29	0.211	0.593	0.207	0.521	0.873	0.777	0.873	16
17	2.76	0.820B	3.18	1.16	2.45	0.224	0.498	0.221	0.494	0.698	0.714	0.889	17
18	8.24	0.840B	2.26	1.01	2.78	0.243	0.459	0.204	0.664	1.22	0.643	1.36	18
19	7.01	0.640B	1.78	0.849	1.97	0.207	0.422	0.357	0.530	1.30	0.604	2.46	19
20	4.32	0.620B	1.50	0.941	2.30	0.199	0.610	0.351	0.429	1.04	0.570	1.84	20
21	2.24	0.700B	1.36	1.19	3.09	0.203	0.588	0.310	0.322	0.861	0.556	1.40	21
22	1.31	2.93	1.36	1.10	2.11	0.255	0.532	0.268	0.247	0.764	0.927	2.43	22
23	1.03	11.4	1.58	0.952	1.53	0.596	0.584	0.236	0.207	0.714	1.35	3.83	23
24	1.43	8.33	1.28	0.854	0.986	0.744	0.469	0.226	0.322	0.634	1.17	3.90	24
25	2.38	4.77	1.04	0.729	0.497	0.581	0.405	0.213	0.535	0.591	0.946	2.30 B	25
26	2.69	2.80	0.939	0.624	0.649	0.471	0.359	0.200	0.324	0.553	0.770	1.38 B	26
27	1.80	1.48 B	0.807	0.557	0.586	0.509	0.334	0.195	0.241	0.502	1.11	1.00 B	27
28	1.75	1.15 B	0.769	0.493	0.528	0.474	0.302	0.339	0.223	0.501	1.50	0.840B	28
29	1.37		0.576	0.428	0.527	0.439	0.255	0.245	0.196	0.496	1.42	5.35 B	29
30	1.07		0.597	0.445	0.482	0.409	0.351	0.219	0.255	0.669	1.09	16.6	30
31	0.837		0.593		0.450		0.392	0.187		0.339		10.4	31
TOTAL	50.123	65.310	68.486	29.002	29.915	12.867	29.056	7.740	8.923	24.319	37.074	76.578	TOTAL
MEAN	1.62	2.33	2.21	0.967	0.965	0.429	0.937	0.250	0.297	0.785	1.24	2.47	MEAN
MAX	8.24	11.4	8.53	1.95	3.09	0.914	8.13	0.452	0.664	1.96	4.50	16.6	MAX
MIN	0.230	0.620	0.480	0.428	0.350	0.199	0.203	0.174	0.150	0.227	0.379	0.754	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.20
MAXIMUM DAILY, 16.6 ON DEC 30
MINIMUM DAILY, 0.150 ON SEP 05
MAXIMUM INSTANTANEOUS,
25.0 AT 00:37 EST ON JUL 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 07 39 N
LONG 080 46 06 W
DRAINAGE AREA, 93.2 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 330	JUL	2 510
FEB	5 640	AUG	669
MAR	5 920	SEP	771
APR	2 510	OCT	2 100
MAY	2 580	NOV	3 200
JUN	1 110	DEC	6 620

TOTAL DISCHARGE, 38 000 dam³

CEDAR CREEK NEAR HEMLO - STATION NO. 02BB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.444B	0.298B	0.238B	0.391B	11.4	2.08	1.96	0.334	0.263	1.96	2.63	4.32B	1
2	0.442B	0.293B	0.237B	0.389B	10.1	2.01	2.16	0.337	0.220	1.88	2.73	4.62B	2
3	0.441B	0.290B	0.237B	0.387B	9.24	2.17	1.87	0.328	0.223	1.91	3.02	5.40B	3
4	0.440B	0.288B	0.238B	0.385B	8.42	2.11	1.88	0.357	0.188	2.03	4.10	6.60B	4
5	0.440B	0.284B	0.238B	0.382B	7.79	1.92	1.86	0.421	0.143	1.90	4.36	8.00B	5
6	0.439B	0.281B	0.239B	0.379B	7.09	1.87	1.70	0.429	0.129	1.88	4.19	5.68B	6
7	0.439B	0.280B	0.240B	0.377B	6.64	1.83	1.71	0.398	0.099	1.90	3.98	4.05B	7
8	0.437B	0.277B	0.243B	0.375B	6.51	1.71	2.84	0.396	0.138	1.88	3.84	3.13B	8
9	0.436B	0.274B	0.245B	0.376B	6.12	1.80	3.01	0.402	0.156	2.01	3.77	2.83B	9
10	0.435B	0.270B	0.248B	0.378B	5.84	1.82	2.91	0.414	0.180	1.92	3.71	2.64B	10
11	0.433B	0.268B	0.253B	0.382B	5.52	1.66	2.77	0.402	0.161	1.87	3.62	2.58B	11
12	0.429B	0.265B	0.267B	0.390B	5.16	1.41	2.55	0.377	0.200	1.83	3.49	2.52B	12
13	0.427B	0.263B	0.303B	0.398B	4.99	1.40	2.23	0.361	0.274	1.84	3.37	2.46B	13
14	0.422B	0.261B	0.438B	0.409B	4.81	1.40	1.15	0.364	0.379	1.92	3.32	2.40B	14
15	0.415B	0.257B	0.475B	0.420B	4.75	1.33	0.803	0.360	0.299	1.99	3.27	2.33B	15
16	0.412B	0.255B	0.479B	0.442B	4.67	1.38	0.784	0.349	0.313	1.96	3.17	2.28B	16
17	0.405B	0.253B	0.475B	0.468B	4.77	1.37	1.54	0.347	0.337	5.05	3.07	2.23B	17
18	0.398B	0.251B	0.472B	0.520B	4.71	1.45	1.99	0.331	0.331	5.39	2.99	2.17B	18
19	0.391B	0.249B	0.465B	0.620B	4.65	1.39	1.96	0.322	0.333	5.45	2.91	2.12B	19
20	0.382B	0.247B	0.458B	1.10 B	4.57	1.25	1.94	0.531	0.343	2.42	2.79	2.07B	20
21	0.372B	0.245B	0.452B	2.37	4.32	1.50	1.83	0.355	0.417	2.68	3.63	2.02B	21
22	0.362B	0.243B	0.446B	3.02	4.18	1.56	1.83	0.384	0.490	2.86	4.71	1.97B	22
23	0.352B	0.242B	0.440B	2.71	4.05	1.45	1.82	0.371	0.568	2.87	4.75	1.93B	23
24	0.342B	0.241B	0.432B	3.22	3.94	1.28	1.73	0.293	0.613	2.93	4.76	1.89B	24
25	0.333B	0.240B	0.422B	4.35	3.82	1.11	1.67	0.355	0.643	2.98	4.76	1.84B	25
26	0.325B	0.240B	0.418B	5.45	3.63	1.04	1.62	0.443	0.730	2.89	4.65B	1.81B	26
27	0.318B	0.239B	0.409B	8.68	3.48	1.06	1.61	0.356	0.745	2.90	4.60B	1.78B	27
28	0.313B	0.239B	0.405B	12.8	3.41	1.02	1.57	0.295	0.751	2.96	4.53B	1.73B	28
29	0.308B		0.400B	14.2	3.29	0.987	1.44	0.270	0.909	2.70	4.48B	1.70B	29
30	0.303B		0.398B	13.5	3.08	1.16	0.623	0.295	1.97	2.67	4.42B	1.67B	30
31	0.300B		0.395B		2.55		0.356	0.254		2.65		1.64B	31
TOTAL	12.135	7.333	11.107	79.268	167.50	45.527	55.676	11.231	12.545	71.08	113.62	90.41	TOTAL
MEAN	0.392	0.262	0.358	2.64	5.40	1.52	1.80	0.362	0.418	2.29	3.79	2.92	MEAN
MAX	0.444	0.298	0.479	14.2	11.4	2.17	3.01	0.531	1.97	5.98	4.76	8.00	MAX
MIN	0.300	0.239	0.237	0.375	2.55	0.987	0.356	0.254	0.099	1.83	2.63	1.64	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.86
MAXIMUM DAILY, 14.2 ON APR 29
MINIMUM DAILY, 0.099 ON SEP 07
MAXIMUM INSTANTANEOUS,
15.0 AT 12:32 EST ON APR 29

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 42 27 N
LONG 085 54 39 W
DRAINAGE AREA, 201 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 050	JUL	4 810
FEB	634	AUG	970
MAR	960	SEP	1 080
APR	6 850	OCT	6 140
MAY	14 500	NOV	9 820
JUN	3 930	DEC	7 810

TOTAL DISCHARGE, 58 600 dam³

CEDAR RIVER BELOW WABASKANG LAKE - STATION NO. 05QE008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.80	2.76	2.67	3.29	5.57	5.31	13.6	18.3	11.9	7.44	5.21	4.09	1
2	2.79	2.76	2.63	3.28	5.38	5.76	13.7	18.1	11.6	7.34	5.12	4.04	2
3	2.78	2.73	2.64	3.34	5.12	7.65	14.1	18.0	11.5	7.30	5.01	4.00	3
4	2.81	2.72	2.64	3.45	5.07	8.70	14.1	17.9	11.4	7.22	4.98	3.96	4
5	2.79	2.74	2.60	3.54	5.08	9.11	14.3	17.6	11.1	7.10	4.97	3.92	5
6	2.78	2.72	2.60	3.62	5.12	9.35	14.6E	17.5	10.9	6.96	4.89	3.92	6
7	2.74	2.75	2.60	3.66	5.19	9.20	15.0E	17.3	10.6	6.85	4.83	3.89	7
8	2.81	2.76	2.59	3.69	5.29	9.04	16.0E	17.1	10.4	6.76	4.79	3.87	8
9	2.84	2.76	2.58	3.73	6.25	9.08	16.9E	16.8	10.1	6.67	4.77	3.85	9
10	2.83	2.78	2.60	3.74	6.40	9.03	17.7E	16.5	9.89	6.61	4.71	3.81	10
11	2.87	2.77	2.62	3.77	6.42	8.90	18.8A	16.3	9.70	6.49	4.63	3.79	11
12	2.86	2.76	2.61	3.77	6.30	8.80	18.6	16.1	9.50	6.41	4.52	3.78	12
13	2.83	2.74	2.62	3.77	6.22	8.79	18.6	15.9	9.25	6.36	4.40	3.80	13
14	2.79	2.70	2.66	3.82	6.15	8.76	18.5	15.6	9.07	6.29	4.38	3.82	14
15	2.80	2.69	2.94	3.86	6.01	8.71	18.5	15.4	8.90	6.20	4.37	3.81	15
16	2.82	2.69	3.13	3.83	5.99	8.66	18.5	15.3	8.72	6.14	4.33	3.80	16
17	2.85	2.71	3.12	3.81	5.98	8.70	18.4	15.2	8.53	6.02	4.30	3.81	17
18	2.82	2.70	3.08	3.64	5.98	8.89	18.6	14.9	8.61	5.92	4.28	3.79	18
19	2.82	2.70	3.06	3.52	5.99	9.36	18.6	14.6	8.56	5.90	4.25	3.77	19
20	2.82	2.67	3.07	3.49	5.94	9.89	18.5	14.3	8.43	5.86	4.23	3.78	20
21	2.82	2.69	3.07	3.58	5.94	10.6	18.5	14.1	8.65	5.81	4.29	3.77	21
22	2.84	2.71	3.08	4.06	5.99	11.2	18.5	13.8	8.76	5.81	4.31	3.77	22
23	2.82	2.70	3.07	4.82	5.96	11.6	18.6	13.6	8.65	5.74A	4.31	3.76	23
24	2.82	2.66	3.06	5.55	5.94	11.8	18.5	13.4	8.52	5.67	4.28	3.75	24
25	2.81	2.67	3.05	5.88	5.93	11.9	18.4	13.2	8.34A	5.63	4.22	3.75	25
26	2.81	2.66	3.04	5.81	5.90	12.3	18.3	13.0	8.16	5.56	4.15	3.75	26
27	2.80	2.67	3.06	5.67	5.88	12.7	18.2	13.0	7.98	5.46	4.14	3.75	27
28	2.78	2.66	3.08	5.45	5.77	13.1	18.5	12.8	7.86	5.43	4.15	3.74	28
29	2.77		3.13	5.59	5.71	13.3	18.6	12.5	7.68	5.38	4.15	3.74	29
30	2.75		3.15	5.67	5.55	13.4	18.5	12.3	7.54A	5.32	4.12	3.74	30
31	2.75		3.23		5.40		18.3	12.2		5.24		3.74	31
TOTAL	87.02	76.03	89.08	124.70	180.09	293.59	538.4	472.6	280.80	192.89	135.09	118.56	TOTAL
MEAN	2.81	2.72	2.87	4.16	5.81	9.79	17.4	15.2	9.36	6.22	4.50	3.82	MEAN
MAX	2.87	2.78	3.23	5.88	6.42	13.4	18.8	18.3	11.9	7.44	5.21	4.09	MAX
MIN	2.74	2.66	2.58	3.28	5.07	5.31	13.6	12.2	7.54	5.24	4.12	3.74	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.09
MAXIMUM DAILY, 18.8A ON JUL 11
MINIMUM DAILY, 2.58 ON MAR 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 30 30 N
LONG 093 15 30 W
DRAINAGE AREA, 1 690 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 520	JUL	46 500
FEB	6 570	AUG	40 800
MAR	7 700	SEP	24 300
APR	10 800	OCT	16 700
MAY	15 600	NOV	11 700
JUN	25 400	DEC	10 200

TOTAL DISCHARGE, 224 000 dam³

REMARKS - CHANGE IN CONTROL DUE TO BRIDGE CONSTRUCTION IN FEB 86.

CHIPPEWA CREEK AT NORTH BAY - STATION NO. 02DD014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.180B	0.380B	0.195B	0.677	0.990E	0.370	0.716	0.995	0.107	0.690	0.405	1.44	1
2	0.170B	0.360B	0.191B	0.937	0.800E	0.274	0.449	0.457	0.101	1.45	0.403	1.14	2
3	0.181B	0.340B	0.180B	0.834	0.540E	0.312	0.503	0.442	0.101	0.970	0.423	0.856	3
4	0.182B	0.325B	0.185B	0.938	0.420E	0.422	0.350	0.260	0.108	1.52	0.773	0.790B	4
5	0.184B	0.315B	0.182B	0.991	0.330E	0.308	0.342	0.420	0.132	1.14	0.736	0.750B	5
6	0.181B	0.305B	0.180B	0.775	0.600E	0.246	0.330	0.350	0.182	0.665	0.831	0.725B	6
7	0.178B	0.300B	0.178B	0.680B	1.10 E	0.208	0.215	0.429	0.121	0.619	0.682	0.700B	7
8	0.173B	0.293B	0.175B	0.700B	1.58 A	0.280	0.201	0.437	0.103	0.661	0.566	0.676	8
9	0.170B	0.390B	0.174B	0.731	1.30	0.407	0.406	0.335	0.101	1.19	0.564	0.650B	9
10	0.165B	0.375B	0.200B	0.960	1.69	0.270	0.338	0.249	0.210	2.36	0.669	0.630B	10
11	0.162B	0.355B	0.300B	0.837	1.67	0.271	0.256	0.179	0.166	3.30	0.639	0.590B	11
12	0.160B	0.335B	0.500B	0.688	1.09	0.273	0.263	0.176	0.128	1.36	0.595B	0.560B	12
13	0.157B	0.315B	0.826B	0.680	0.725	0.458	0.243	0.369	0.131	0.864	0.580B	0.526B	13
14	0.155B	0.300B	1.96 B	0.902	0.656	0.292	0.174	0.264	1.42	0.666	0.570B	0.500B	14
15	0.153B	0.290B	2.95 B	1.10	0.617	0.289	0.179	0.342	2.45	1.47	0.678	0.485B	15
16	0.153B	0.275B	4.00 B	1.07	0.730	0.208	0.226	0.176	0.829	1.12	2.67	0.460B	16
17	0.350B	0.265B	3.00 B	1.32	2.66	0.570	0.166	0.231	0.662	2.31	2.45	0.440B	17
18	0.577B	0.255B	2.40 B	1.11	11.4	0.453	0.248	0.265	0.679	2.67	1.38	0.420B	18
19	0.690B	0.248B	1.94	1.46	5.06	0.701	0.322	0.173	0.388	2.33	1.06	0.405B	19
20	0.660B	0.242B	1.53	2.24	2.53	0.426	0.202	0.209	0.387	1.26	0.995	0.395B	20
21	0.620B	0.234B	1.26	2.26	1.67	0.607	0.183	0.142	0.469	0.952	1.15	0.390B	21
22	0.570B	0.228B	1.29	2.53	1.23	0.543	0.173	0.123	1.15	0.941	4.97	0.460B	22
23	0.520B	0.222B	1.30	2.80 E	0.931	1.47	0.140	0.166	0.755	0.778	2.55	0.420B	23
24	0.490B	0.217B	1.15 B	3.15 E	0.785	2.10	0.141	0.153	1.09	0.644	1.87	0.395B	24
25	0.610B	0.213B	0.930B	3.55 E	0.698	0.946	0.127	0.111	1.37	0.592	1.39	0.375B	25
26	0.680B	0.210B	0.880B	3.70 E	0.516	1.61	0.206	0.115	1.18	0.547	1.04	0.350B	26
27	0.760B	0.205B	0.850B	3.00 E	0.548	2.16	0.117	0.139	0.743	0.508	3.60	0.335B	27
28	0.640B	0.201B	0.820B	2.10 E	0.588	1.19	0.111	0.223	0.497	0.510	7.44	0.320B	28
29	0.530B		0.740B	1.60 E	0.473	1.04	0.117	0.265	0.392	0.517	3.65	0.360B	29
30	0.480B		0.620B	1.25 E	0.352	0.907	3.94	0.135	0.467	0.457	1.97	0.340B	30
31	0.430B		0.513		0.300		2.09	0.110		0.405		0.325B	31
TOTAL	11.319	7.993	31.607	45.570	44.579	19.691	13.650	8.440	16.699	35.466	47.299	17.208	TOTAL
MEAN	0.365	0.286	1.02	1.52	1.44	0.656	0.440	0.272	0.557	1.14	1.58	0.555	MEAN
MAX	0.760	0.390	4.00	3.70	11.4	2.16	3.94	0.995	2.45	3.30	7.44	1.44	MAX
MIN	0.153	0.201	0.174	0.677	0.300	0.208	0.111	0.110	0.101	0.405	0.403	0.320	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.821
MAXIMUM DAILY, 11.4 ON MAY 18
MINIMUM DAILY, 0.101 ON SEP 02
MAXIMUM INSTANTANEOUS,
14.2 AT 11:51 EST ON MAY 18

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 18 38 N
LONG 079 27 00 W
DRAINAGE AREA, 37.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	978	JUL	1 180
FEB	691	AUG	729
MAR	2 730	SEP	1 440
APR	3 940	OCT	3 060
MAY	3 850	NOV	4 090
JUN	1 700	DEC	1 490

TOTAL DISCHARGE, 25 900 dam³

CHUKUNI RIVER NEAR EAR FALLS - STATION NO. 05QC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.0B	10.4B	9.89B	11.4B	46.1	79.5	77.2	61.1	4.89	7.38	11.4	10.5 B	1
2	11.0B	10.4B	9.89B	11.4B	46.0	81.8	75.6	60.0	4.51	7.50	13.7	10.4 B	2
3	11.0B	10.3B	9.96B	11.4B	49.7	89.4	76.7	56.0	4.21	6.97	14.7	10.3 B	3
4	10.9B	10.3B	9.96B	11.6B	57.0	90.2	79.7	49.5	4.77	7.93	14.6	10.2 B	4
5	10.9B	10.3B	9.96B	11.6B	57.7	87.7	81.2	47.3	4.65	8.84	13.3	10.2 B	5
6	10.9B	10.3B	9.93B	11.6B	58.0	91.0	79.1	45.6	4.52	8.66	13.3	10.1 B	6
7	10.9B	10.3B	9.93B	11.5B	59.8	90.2	86.8	44.5	4.42	8.25	13.6	10.0 B	7
8	10.9B	10.2B	9.93B	11.5B	66.7	89.2	97.0	43.9	4.27	7.70	12.7	9.96B	8
9	10.8B	10.2B	9.93B	11.5B	72.5E	90.9	98.1	43.5	4.27	7.35	12.9	9.86B	9
10	10.8B	10.2B	9.93B	11.6B	78.6A	90.3	95.7	42.4	4.20	6.55	13.8	9.81B	10
11	10.8B	10.2B	9.91B	11.6B	84.4E	87.1	90.7	41.3	4.00	6.15	13.8	9.79B	11
12	10.8B	10.2B	9.91B	11.6	94.0E	86.5	88.6	41.0	3.99	6.76	13.3	9.76B	12
13	10.8B	10.2B	9.91B	11.7	91.1E	87.4	87.1	40.2	3.99	6.39	12.3	9.72B	13
14	10.7B	10.2B	9.96B	11.7	87.3A	87.5	84.2	40.4	4.00	6.66	11.9	9.67B	14
15	10.7B	10.2B	10.5 B	11.7	84.2A	84.8	82.1	39.7	4.00	7.53	12.0	9.62B	15
16	10.7B	10.2B	10.8 B	11.7	81.5E	82.8	80.8	39.2	4.00	7.72	12.0	9.60B	16
17	10.7B	10.1B	11.0 B	11.7	98.7E	81.0	78.6	38.6	4.00	7.46	11.9	9.57B	17
18	10.6B	10.1B	10.9 B	11.7	106 E	80.3	78.5	37.7	4.01	7.28	11.7	9.55B	18
19	10.6B	10.1B	10.8 B	12.4	105 A	79.0	76.6	37.1	4.01	6.53	11.7	9.52B	19
20	10.6B	10.1B	10.8 B	14.6	104 A	78.3	74.8	37.0	4.01	5.95	11.6	9.52B	20
21	10.5B	10.1B	10.9 B	16.4	101 A	78.9	73.3	37.0	4.16	6.98	11.4B	9.50B	21
22	10.5B	10.1B	11.0 B	18.2	101 A	80.4	72.2	36.4	5.47	6.95	11.3B	9.50B	22
23	10.5B	10.1B	11.0 B	21.8	98.3A	80.4	70.9	28.8	7.02	6.89	11.2B	9.52B	23
24	10.5B	10.0B	10.9 B	30.7	85.4A	79.4	68.8	11.3	7.49	6.97	11.1B	9.52B	24
25	10.5B	10.0B	10.9 B	40.6	84.6A	79.0	67.3	9.60	7.77	6.62	11.0B	9.55B	25
26	10.5B	10.0B	10.9 B	44.8	84.4A	80.1	65.8	9.72	8.12	6.19	10.9B	9.57B	26
27	10.5B	10.0B	10.9 B	43.3	84.3A	79.6	63.9	9.74	8.34	7.22	10.8B	9.60B	27
28	10.4B	10.0B	11.0 B	40.4	82.1A	78.4	63.9	10.1	8.17	7.81	10.7B	9.62B	28
29	10.4B		10.9 B	41.9	81.4A	78.4	65.6	9.85	7.67	6.87	10.6B	9.64B	29
30	10.4B		11.0 B	43.8	80.7A	78.6	64.6	7.11	7.16	6.92	10.5B	9.67B	30
31	10.4B		11.1 B		80.8		63.5	5.29		7.18		9.72B	31
TOTAL	331.2	284.8	324.30	577.4	2 492.3	2 508.1	2 408.2	1 060.91	156.09	222.16	365.7	303.06	TOTAL
MEAN	10.7	10.2	10.5	19.2	80.4	83.6	77.7	34.2	5.20	7.17	12.2	9.78	MEAN
MAX	11.0	10.4	11.1	44.8	106	91.0	98.1	61.1	8.34	8.84	14.7	10.5	MAX
MIN	10.4	10.0	9.89	11.4	46.0	78.3	63.5	5.29	3.99	5.95	10.5	9.50	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 30.2
MAXIMUM DAILY, 106E ON MAY 18
MINIMUM DAILY, 3.99 ON SEP 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 52 20 N
LONG 093 29 00 W
DRAINAGE AREA, 4 920 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1964

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	28 600	JUL	208 000
FEB	24 600	AUG	91 700
MAR	28 000	SEP	13 500
APR	49 900	OCT	19 200
MAY	215 000	NOV	31 600
JUN	217 000	DEC	26 200

TOTAL DISCHARGE, 953 000 dam³

CLYDE RIVER AT GORDON RAPIDS - STATION NO. 02KF013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.55	2.10	2.15	7.71	8.22	2.99	1.12	0.570	0.146	0.069	0.373	1.91	1
2	1.54	2.[illegible]	2.04	7.50	7.48	2.64	1.10	0.508	0.144	0.068	0.380	1.77	2
3	1.51	1.[illegible]	1.97	8.44	6.53	2.51	1.02	0.431	0.136	0.068	0.385	1.72	3
4	1.40	1.99	1.93	11.6	5.97	2.40	0.991	0.384	0.135	0.068	0.390	2.14	4
5	1.35	1.93	1.91	14.3	5.49	2.25	1.01	0.347	0.131	0.068	0.421	2.31	5
6	1.31	1.87	1.80	14.8	5.03	2.13	0.932	0.359	0.130	0.060	0.650	2.39	6
7	1.32	1.83	1.72	14.1	4.71	2.03	0.882	0.371	0.126	0.065	0.762	2.41	7
8	1.32	1.80	1.69	13.4	4.76	1.95	0.870	0.365	0.117	0.066	0.824	2.36	8
9	1.32	1.81	1.57	12.9	5.12	1.71	0.887	0.348	0.108	0.076	0.851	2.40	9
10	1.38	1.96	1.52	13.2	5.21	1.69	0.827	0.349	0.108	0.087	0.875	2.35	10
11	1.45	1.99	1.52	14.8	5.41	1.61	0.765	0.352	0.097	0.089	0.944	2.22	11
12	1.51	1.97	1.81	15.0	5.40	1.54	0.697	0.357	0.090	0.097	0.908	2.13	12
13	1.54	1.95	2.48	14.1	5.18	1.45	0.645	0.385	0.084	0.105	0.859	2.13	13
14	1.53	1.96	3.63	12.9	4.97	1.40	0.587	0.502	0.078	0.110	0.813	2.09	14
15	1.48	1.98	5.53	12.6	4.56	1.33	0.561	0.556	0.073	0.103	0.781	1.97	15
16	1.45	2.06	9.68	12.9	3.61	1.21	0.532	0.472	0.066	0.122	0.804	1.80	16
17	1.44	2.13	13.3	12.8	4.02	1.15	0.444	0.404	0.061	0.133	0.864	1.62	17
18	1.63	2.04	16.3	12.2	4.79	1.10	0.381	0.344	0.056	0.183	0.886	1.58	18
19	1.84	1.95	17.6	11.4	5.24	0.978	0.335	0.317	0.056	0.281	0.921	1.67	19
20	1.95	1.94	17.6	10.8	5.55	1.00	0.380	0.313	0.054	0.309	0.933	1.66	20
21	1.96	1.72	15.4	10.5	6.35	1.06	0.414	0.280	0.052	0.336	0.931	1.56	21
22	1.91	1.74	14.1	10.5	6.49	1.17	0.440	0.260	0.053	0.357	1.01	1.87	22
23	1.82	1.72	13.1	10.2	6.36	1.22	0.580	0.252	0.054	0.367	1.27	2.93	23
24	1.86	1.62	12.1	9.48	6.06	1.30	0.665	0.239	0.052	0.377	1.46	3.76	24
25	1.93	2.74	13.9	9.22	5.68	1.42	0.751	0.223	0.054	0.384	1.80	4.07	25
26	2.16	2.65	12.7	9.30	5.31	1.43	0.810	0.207	0.050	0.393	1.80	4.27	26
27	2.25	2.48	11.5	9.23	4.99	1.38	0.829	0.196	0.050	0.372	1.66	4.33	27
28	2.29	2.37	10.5	8.69	4.71	1.30	0.800	0.188	0.051	0.383	1.76	4.36	28
29	2.20		9.44	8.26	4.33	1.22	0.756	0.174	0.058	0.398	2.03	4.48	29
30	2.21		8.77	8.06	3.77	1.16	0.675	0.167	0.074	0.389	2.06	5.04	30
31	2.16		8.18		3.37		0.639	0.172		0.394		5.70	31
TOTAL	52.57	57.84	242.38	340.89	164.67	47.628	22.325	10.392	2.544	6.377	30.405	83.00	TOTAL
MEAN	1.70	2.07	7.82	11.4	5.31	1.59	0.720	0.335	0.085	0.206	1.01	2.68	MEAN
MAX	2.29	2.74	17.6	15.0	8.22	2.99	1.12	0.570	0.146	0.398	2.06	5.70	MAX
MIN	1.31	1.72	1.52	7.50	3.37	0.978	0.335	0.167	0.050	0.060	0.373	1.56	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.91
MAXIMUM DAILY, 17.6 ON MAR 19
MINIMUM DAILY, 0.050 ON SEP 26
MAXIMUM INSTANTANEOUS,
18.4 AT 02:52 EST ON MAR 20

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 08 04 N
LONG 076 37 52 W
DRAINAGE AREA, 280 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 540	JUL	1 930
FEB	5 000	AUG	898
MAR	20 900	SEP	220
APR	29 500	OCT	551
MAY	14 200	NOV	2 630
JUN	4 120	DEC	7 170

TOTAL DISCHARGE, 91 700 dam³

CLYDE RIVER NEAR LANARK - STATION NO. 02KF010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.29B	3.38B	4.50B	16.5	16.9	5.84	2.08	0.933	0.265E	0.710E	1.12E	4.00E	1
2	2.28B	3.35B	4.35B	16.2	16.0	5.19	2.09	0.796	0.250E	0.726E	1.14E	3.81E	2
3	2.26B	3.32B	4.20B	19.3	14.7	5.05A	2.22	0.704	0.235E	0.721E	1.13E	3.68E	3
4	2.25B	3.28B	3.95B	27.1	13.2	5.22	1.92	0.660	0.222E	0.684E	1.13E	3.95B	4
5	2.30B	3.40B	3.60B	33.6	12.0	4.57	1.86	0.623	0.210E	0.642E	1.13E	4.40B	5
6	2.22B	3.32B	3.46B	36.0	11.5	4.13	1.64	0.739	0.200E	0.607E	1.45E	4.70B	6
7	2.15B	3.26B	3.35B	33.6	11.2	3.81A	1.44	0.728	0.188E	0.627E	1.77E	4.65B	7
8	2.07B	3.21B	3.30B	30.1	11.2	3.64E	1.31	0.653	0.175E	0.622E	1.94E	4.85B	8
9	2.00B	3.40B	3.20B	27.4	12.7	3.38E	1.46	0.533	0.168E	0.757E	2.04E	4.95B	9
10	2.05B	3.90B	3.15B	26.4	13.1	3.13E	1.46	0.476	0.160E	1.02 E	2.25E	4.85B	10
11	2.15B	3.85B	3.20B	28.5	14.3	2.87E	1.21	0.454	0.153E	1.09 E	2.50E	4.65B	11
12	2.25B	3.60B	3.95B	30.5	13.8	2.62E	1.05	0.441	0.146E	1.14 E	2.71E	4.45B	12
13	2.20B	3.55B	6.15B	29.7	13.2	2.36E	0.937	0.557	0.140E	1.29 E	2.62E	4.42B	13
14	2.17B	3.70B	8.80B	27.9	12.7	2.11E	0.836	0.655	0.134A	1.26 E	2.55A	4.33B	14
15	2.15B	3.50B	10.4 B	27.3	11.5	1.85E	0.851	0.681	0.131E	1.11 E	2.51E	4.05B	15
16	2.15B	3.70B	15.4 B	27.9	10.1	1.71E	0.920	0.696	0.128E	1.14 E	2.57E	3.97B	16
17	2.20B	3.75B	29.0 B	27.9	9.71	1.77E	0.959	0.721	0.125E	1.14 E	2.68E	3.92B	17
18	2.85B	3.80B	39.5 B	26.9	12.7	1.84E	0.742	0.650	0.122E	1.08 A	2.59E	3.77B	18
19	3.30B	3.70B	45.2 B	25.8	13.7	1.90E	0.644	0.568	0.119E	1.45 E	2.51E	3.65B	19
20	3.35B	3.50B	43.4 B	23.2	13.0	1.94E	0.653	0.506	0.425E	1.49 E	2.42E	3.55B	20
21	3.30B	3.55B	41.1 B	23.4	14.7	1.98A	0.777	0.466	0.361E	1.45 E	2.70E	3.65B	21
22	3.20B	3.60B	39.3 B	23.4	15.0	2.50	0.913	0.440	0.304E	1.39 E	2.78E	4.65B	22
23	3.05B	5.30B	39.2	22.8	14.6	2.52	1.55	0.410E	0.293E	1.29 E	3.01A	7.20B	23
24	3.00B	5.80B	36.8	21.8	13.7	2.78	1.92	0.390E	0.336E	1.18 E	3.37E	10.0 B	24
25	3.25B	5.65B	33.2	20.8	12.4	3.63	1.91	0.370E	0.376E	1.10 E	3.67E	11.0 B	25
26	3.75B	5.40B	29.8	21.3	11.3	2.99	1.75	0.350E	0.372E	1.04 E	4.05E	11.3 B	26
27	4.10B	5.35B	25.9	22.1	10.2	2.48	1.57	0.330E	0.339E	0.985E	4.10E	11.2 B	27
28	3.55B	5.00B	23.1	21.0	9.27	2.59	1.38	0.350E	0.297E	1.04 E	4.04E	10.9 B	28
29	3.25B		20.4	19.6	8.41	2.29	1.31	0.370E	0.483E	1.18 E	3.99E	11.0 B	29
30	3.50B		18.8	18.2	7.51	2.12	1.20	0.320E	0.658E	1.14 E	3.96E	13.6 B	30
31	3.40B		17.4		6.58		1.09	0.285E		1.11 E		15.0 B	31
TOTAL	83.99	110.12	567.36	755.2	379.38	91.81	41.552	16.855	7.515	32.211	76.43	194.10	TOTAL
MEAN	2.71	3.93	18.3	25.2	12.2	3.06	1.34	0.544	0.251	1.04	2.55	6.26	MEAN
MAX	4.10	5.80	45.2	36.0	16.9	5.84	2.22	0.933	0.658	1.49	4.10	15.0	MAX
MIN	2.00	3.21	3.15	16.2	6.58	1.71	0.644	0.285	0.119	0.607	1.12	3.55	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.46
MAXIMUM DAILY, 45.2B ON MAR 19
MINIMUM DAILY, 0.119E ON SEP 19

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 02 46 N
LONG 076 24 03 W
DRAINAGE AREA, 614 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 260	JUL	3 590
FEB	9 510	AUG	1 460
MAR	49 000	SEP	649
APR	65 200	OCT	2 780
MAY	32 800	NOV	6 600
JUN	7 930	DEC	16 800

TOTAL DISCHARGE, 204 000 dam³

COLD CREEK AT ORLAND - STATION NO. 02HK007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.05 B	1.88B	2.80B	2.52	1.76	1.49	2.12 E	0.960	0.719	1.52	1.21	1.33	1
2	0.960B	1.82B	2.52B	2.68	1.56	1.43	2.00 E	0.831	0.765	1.20	1.19	1.25	2
3	1.30 B	1.79B	2.32B	2.57	1.49	1.84	1.50 E	0.804	0.702	1.03	1.23	1.27	3
4	1.90 B	1.75B	2.15B	6.88	1.48	1.90	1.30 E	0.886	0.656	1.63	1.22	4.72B	4
5	3.75 B	1.74B	1.95B	7.94	2.41	1.68	1.10 E	1.11	0.811	2.61	1.27	5.49	5
6	3.40 B	1.73B	1.70B	4.48	2.64	1.52	0.980E	1.35	0.907	1.81	2.50	4.05	6
7	2.90 B	1.71B	1.65B	3.19	2.91	1.52	0.930E	1.20	0.904	1.34	2.24	2.54	7
8	2.40 B	1.80B	1.55B	2.61	4.06	1.47	0.900E	1.07	0.755	1.24	1.78	2.16	8
9	2.10 B	4.00B	1.42B	2.37	2.94	1.86	1.72 E	0.984	0.728	1.63	1.54	2.08	9
10	1.98 B	7.50B	1.30	3.40	2.64	3.41	1.50 E	0.910	0.810	2.41	1.80	2.28	10
11	1.90 B	3.30B	3.26	6.59	3.01	2.49	1.20 E	0.902	0.881	2.59	1.92	2.08B	11
12	1.82 B	2.60B	30.2	4.76	2.40	1.87	0.903A	0.904	0.795	2.69	1.79	1.78	12
13	1.65 B	2.35B	26.5	3.33	2.67	1.56	0.940	2.15	0.756	2.37	1.58B	2.08	13
14	1.57 B	2.20B	22.1	3.01	2.98	1.47	0.933	2.65	0.753	1.89	1.48B	2.26	14
15	1.46 B	2.12B	13.1	4.81	2.34	1.43	1.49	1.82	0.966	1.61	1.41	2.32	15
16	1.70 B	2.00B	8.41	3.82	2.37	1.35	2.56	1.69	0.937	1.34	1.50	1.58	16
17	2.40 B	1.95B	6.64	3.39	2.94	1.27	1.81	1.41	0.740	1.31	1.38	2.11	17
18	18.0 B	1.85B	5.37	2.94	3.44	1.44	1.35	1.20	0.719	1.77	1.24	2.26	18
19	9.00 B	1.82B	3.71	2.47	3.97	1.41	1.14	1.10	0.739	2.52	1.20	3.55	19
20	4.00 B	1.74B	3.15	2.44	4.02	1.35	1.41	1.04	0.777	1.87	1.19	3.26	20
21	3.50 B	1.70B	2.90	3.69	5.52	1.38	1.60	0.978	0.692	1.53	1.21	3.24	21
22	2.60 B	3.00B	2.80	3.24	3.78	1.49	1.35	0.939	0.806	1.39	1.35	4.45	22
23	2.10 B	7.00B	2.86	2.74	2.88	1.50	1.24	0.979	0.888	1.25	1.69	8.71	23
24	2.00 B	6.00B	2.88	2.44	2.47	1.57	2.75	0.971	0.820	1.17	1.61	6.19	24
25	2.10 B	5.20B	2.31	3.74	2.19	1.48	1.85	0.876	0.748	1.17	1.49	4.35	25
26	3.00 B	4.40B	2.16	3.37	2.02	1.36	1.43	0.835	0.800	1.13	1.39	4.35	26
27	5.80 B	3.90B	1.93	2.71	1.86	1.37	1.42	0.802	0.797	1.12	1.46	4.20	27
28	3.00 B	3.50B	1.80	2.26	1.73	1.33	1.25	0.769	0.720	1.56	1.67	4.37	28
29	2.50 B		1.74	2.07	1.64	1.14	1.04	0.925	0.748	1.65	1.34	5.05	29
30	2.10 B		1.82	1.95	1.64	2.00E	0.952	0.913	1.51	1.41	1.37	9.87	30
31	1.98 B		2.37		1.57		1.12	0.779		1.38		6.12	31
TOTAL	95.920	82.35	168.64	107.41	87.33	48.68	45.488	34.739	24.349	51.14	45.42	111.35	TOTAL
MEAN	3.09	2.94	5.44	3.58	2.82	1.62	1.47	1.12	0.812	1.65	1.51	3.59	MEAN
MAX	18.0	7.50	30.2	7.94	6.44	3.41	2.94	2.65	1.51	2.69	2.50	9.87	MAX
MIN	0.960	1.70	1.30	1.95	1.48	1.27	0.900	0.769	0.656	1.03	1.19	1.25	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.47
MAXIMUM DAILY, 30.2 ON MAR 12
MINIMUM DAILY, 0.656 ON SEP 04
MAXIMUM INSTANTANEOUS,
40.5 AT 11:35 EST ON MAR 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 08 04 N
LONG 077 47 17 W
DRAINAGE AREA, 159 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	8 290	JUL	3 930
FEB	7 120	AUG	3 000
MAR	14 600	SEP	2 100
APR	9 280	OCT	4 420
MAY	7 550	NOV	3 920
JUN	4 210	DEC	9 620

TOTAL DISCHARGE, 78 000 dam³

COLD CREEK NEAR BOLTON - STATION NO. 02HC023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.238	0.425	0.389B	0.800E	0.250	0.241	0.245	0.199	0.196	0.270	0.297	0.235	1
2	0.238	0.532	0.485	1.00 E	0.243	0.242	0.220	0.204	0.192	0.238	0.295	0.237	2
3	0.238	0.463B	0.566B	0.900E	0.240	0.268	0.212	0.200	0.183	0.225	0.295	0.294	3
4	0.323	0.434B	0.434B	0.800E	0.242	0.259	0.208	0.195	0.187	0.303	0.303	0.641	4
5	0.353	0.301B	0.353B	0.662A	0.446	0.237	0.202	0.203	0.197	0.312	0.574	0.457	5
6	0.288	0.296	0.294B	0.531	0.324	0.237	0.204	0.202	0.193	0.263	0.667	0.366	6
7	0.267	0.430	0.288B	0.452	0.316	0.230	0.200	0.202	0.194	0.254	0.385	0.324	7
8	0.259	1.25	0.281B	0.402	0.296	0.254	0.205	0.200	0.181	0.253	0.319	0.308	8
9	0.250	2.52	0.299	0.376	0.277	0.261	0.210	0.197	0.182	0.725	0.292	0.317	9
10	0.275	1.38	0.488	0.556	0.347	0.241	0.201	0.192	0.180	0.554	0.288	0.408	10
11	0.273	0.764B	3.81	0.837	0.335	0.233	0.199	0.194	0.183	0.416	0.280	0.332	11
12	0.265	0.587	15.1	0.626	0.264	0.238	0.200	0.221	0.184	0.516	0.264	0.307	12
13	0.250B	0.631	6.47	0.511	0.319	0.272	0.197	0.343	0.180	0.509	0.257	0.407	13
14	0.239	0.622	3.10	0.470	0.281	0.295	0.206	0.223	0.222	0.344	0.253	0.333	14
15	0.242	0.464	2.06	0.502	0.319	0.265	0.323	0.232	0.219	0.290	0.255	0.298	15
16	0.240	0.469B	1.57	0.454	0.367	0.225	0.227	0.223	0.196	0.264	0.263	0.302	16
17	0.682	0.395B	1.30	0.442	0.672	0.213	0.215	0.231	0.195	0.464	0.260	0.287	17
18	2.26	0.353B	1.10 E	0.377	0.537	0.213	0.200	0.228	0.192	0.497	0.266	0.380	18
19	0.641	0.329	0.920E	0.347	0.408	0.203	0.196	0.239	0.210	0.437	0.255	0.439	19
20	0.470B	0.297B	0.870E	0.392	0.815	0.214	0.290	0.218	0.210	0.331	0.255	0.332	20
21	0.383	0.297B	0.800E	0.483	0.789	0.215	0.214	0.210	0.213	0.299	0.255	0.358	21
22	0.326	2.24	0.810E	0.404	0.541	0.213	0.224	0.215	0.213	0.300	0.336	0.618	22
23	0.290	3.46	1.10 E	0.362	0.434	0.260	0.268	0.215	0.219	0.275	0.298	1.04	23
24	0.770	1.44 B	0.960E	0.335	0.377	0.254	0.207	0.216	0.215	0.269	0.291	0.709B	24
25	1.25	0.968B	0.800E	0.333	0.344	0.219	0.191	0.211	0.211	0.272	0.270	0.498B	25
26	1.35	0.750B	0.680E	0.320	0.312	0.205	0.190	0.207	0.222	0.262	0.247	0.368B	26
27	0.956	0.543	0.570E	0.301	0.287	0.204	0.187	0.296	0.223	0.255	0.261	0.348B	27
28	1.33	0.427	0.500E	0.290	0.277	0.207	0.192	0.236	0.223	0.259	0.271	0.368	28
29	0.786		0.540E	0.267	0.273	0.315	0.193	0.210	0.237	0.271	0.261	1.25	29
30	0.556		0.600E	0.254	0.261	0.256	0.218	0.201	0.665	0.287	0.241	1.93	30
31	0.466		0.610E		0.247		0.215	0.194		0.292		0.953B	31
TOTAL	16.754	23.067	48.147	14.786	11.440	7.189	6.659	6.757	6.517	10.506	9.054	15.444	TOTAL
MEAN	0.541	0.824	1.55	0.493	0.369	0.240	0.215	0.218	0.217	0.339	0.302	0.498	MEAN
MAX	2.26	3.46	15.1	1.00	0.815	0.315	0.323	0.343	0.665	0.725	0.667	1.93	MAX
MIN	0.238	0.296	0.281	0.254	0.240	0.203	0.187	0.192	0.180	0.225	0.241	0.235	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.483
MAXIMUM DAILY, 15.1 ON MAR 12
MINIMUM DAILY, 0.180 ON SEP 10
MAXIMUM INSTANTANEOUS,
20.9 AT 04:08 EST ON MAR 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 53 25 N
LONG 079 43 12 W
DRAINAGE AREA, 62.2 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 450	JUL	575
FEB	1 990	AUG	584
MAR	4 160	SEP	563
APR	1 280	OCT	908
MAY	988	NOV	782
JUN	621	DEC	1 330

TOTAL DISCHARGE, 15 200 dam³.

COLDWATER RIVER AT COLDWATER - STATION NO. 02ED007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.10B	2.20B	2.00B	3.04	1.67A	1.27	2.04	1.10	0.933	2.05	1.28	3.02	1
2	1.93B	2.18B	1.95B	3.94	1.56	1.63	1.61	1.03	0.898	1.83	1.30	3.14	2
3	1.80B	2.00B	2.00B	7.05	1.51	1.66	1.36	0.997	0.905	1.54	1.32	2.45	3
4	2.80B	2.15B	1.88B	7.00	1.52	1.46	1.24	0.980	0.899	1.77	1.28	2.35	4
5	2.30B	2.03B	1.83B	6.27	1.55	1.33	1.13	1.01	1.21	2.14	1.65	2.22	5
6	2.45B	1.93B	1.82B	4.33	1.50	1.32	1.08	1.04	1.25	1.58	4.76	2.04	6
7	2.33B	1.88B	1.81B	3.33	1.61	1.35	1.06	1.03	1.22	1.39	3.21	2.15	7
8	2.23B	1.83B	1.80	3.11	2.27	1.28	1.11	1.00	1.11	1.30	2.79	2.09	8
9	2.20B	4.70B	1.97	3.08	1.97	1.79	1.68	0.959	1.06	2.08	2.24	2.32	9
10	2.38B	5.20B	2.05	5.48	2.43	2.15	1.32	0.955	1.18	3.17	2.14	3.31	10
11	2.45B	3.70B	2.57	6.73	2.60	1.45	1.20	0.931	1.20	2.66	2.08	2.52	11
12	2.40B	2.57B	14.0 B	4.37	2.26	1.28	1.09	0.936	1.04	2.13	1.91	2.16	12
13	2.00B	2.72	19.0 B	3.37	1.99	1.32	1.04	1.66	1.03	2.25	1.72	2.97	13
14	2.35B	3.13	20.3	3.28	1.83	1.35	1.04	1.88	1.02	1.85	1.63	2.34	14
15	2.28B	2.32	18.5	3.96	1.88	1.33	1.23	1.30	1.40	1.69	1.89	2.05B	15
16	2.20B	2.05B	12.6	3.48	1.91	1.24	1.30	1.20	1.38	1.61	2.29	1.76B	16
17	3.50B	1.98B	8.05	3.96	6.26	1.14	1.15	1.08	1.19	1.93	2.41	1.74	17
18	9.71B	1.92B	5.81	3.27	7.22	1.11	1.07	1.04	1.12	1.75	1.97	2.11	18
19	8.86B	1.90B	4.20	2.95	4.25	1.11	1.06	1.04	1.03	1.77	1.86	2.48	19
20	6.93B	1.87B	3.48	2.95	3.84	1.09	1.42	0.995	1.14	1.63	1.65	1.77	20
21	5.62B	1.84B	3.16	3.83	4.29	1.12	1.28	0.969	1.05	1.50	1.61	2.02	21
22	5.33B	1.82B	3.43	3.20	2.90	1.14	1.14	0.977	1.21	1.44	5.40	3.74	22
23	4.90	4.60B	5.58	2.84	2.37	1.28	1.18	0.974	1.48	1.41	4.88	4.50	23
24	4.69	3.60B	3.69	2.69	2.06	1.42	1.13	0.944	1.43	1.35	3.69	2.85	24
25	4.55	2.60B	3.10	2.45E	1.87	1.38	1.05	0.931	1.28	1.35	3.26	2.10B	25
26	4.52B	2.30B	3.14	2.29E	1.72	1.23	1.00	0.934	1.26	1.29	2.78	1.95B	26
27	3.14B	2.14B	3.03	2.13E	1.58	1.19	0.961	0.928	1.17	1.28	4.81	1.86B	27
28	2.75B	2.07B	2.80	1.94E	1.53	1.14	0.969	1.04	1.10	1.39	5.74	1.84B	28
29	2.55B		2.66	1.89E	1.43	1.61	0.985	0.949	1.08	1.41	4.03	5.00B	29
30	2.40B		2.71	1.79E	1.35	2.10	1.16	0.921	1.96	1.35	3.15	12.0	30
31	2.30B		2.85		1.30		1.42	0.907		1.31		5.10B	31
TOTAL	108.25	71.23	163.77	110.00	74.03	41.27	37.505	32.637	35.235	52.80	80.73	89.95	TOTAL
MEAN	3.49	2.54	5.28	3.67	2.39	1.38	1.21	1.05	1.17	1.70	2.69	2.90	MEAN
MAX	9.71	5.20	20.3	7.05	7.22	2.15	2.04	1.88	1.96	3.17	5.74	12.0	MAX
MIN	1.80	1.82	1.80	1.79	1.30	1.09	0.961	0.907	0.898	1.28	1.28	1.74	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.46
MAXIMUM DAILY, 20.3 ON MAR 14
MINIMUM DAILY, 0.898 ON SEP 02
MAXIMUM INSTANTANEOUS,
24.8 AT 00:03 EST ON MAR 14

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 42 25 N
LONG 079 38 37 W
DRAINAGE AREA, 177 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 350	JUL	3 240
FEB	6 150	AUG	2 820
MAR	14 100	SEP	3 040
APR	9 500	OCT	4 560
MAY	6 400	NOV	6 980
JUN	3 570	DEC	7 770

TOTAL DISCHARGE, 77 500 dam³

COLLINS CREEK NEAR KINGSTON - STATION NO. 02HM005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.606B	3.80B	3.75B	3.53	2.49	1.60	0.163	0.009	0.012	0.008	1.51	1.74	1
2	0.701B	3.91B	3.55B	3.60	2.50	1.41	0.150	0.006	0.010	0.007	1.39	1.63	2
3	0.663B	3.15B	2.95B	4.24	1.95	1.30	0.133	0.004	0.008	0.005	1.26	1.49	3
4	0.938B	2.90B	2.65B	6.85	1.77	1.25	0.120	0.003	0.007	0.006	1.15	4.00	4
5	1.55 B	2.95B	2.35B	10.3	1.90	1.08	0.110	0.003	0.006	0.012	1.05	9.72	5
6	2.00 B	2.75B	2.05B	10.1	1.99	0.923	0.087	0.004	0.006	0.009	1.45	13.8	6
7	2.70 B	2.60B	1.74B	7.81	2.06	0.818	0.076	0.004	0.005	0.007	1.77	12.3	7
8	2.00 B	2.55B	1.66B	6.19	2.14	0.728	0.064	0.002	0.004	0.008	2.02	9.77	8
9	1.80 B	3.40B	1.59B	5.20	2.14	0.685	0.073	0.001	0.003	0.013	2.21	7.93	9
10	1.65 B	5.95B	1.50B	5.09	2.04	0.727	0.061	0	0.003	0.021	2.59	7.03	10
11	1.60 B	5.60B	2.15B	8.19	1.94	0.774	0.052	0	0.003	0.036	3.06	6.48B	11
12	1.53 B	5.15B	7.44B	9.57	1.79	0.666	0.045	0	0.002	0.052	3.24	5.67	12
13	1.48 B	4.32B	16.5 B	8.07	1.94	0.573	0.037	0.007	0.001	0.309	3.08	5.28	13
14	1.42 B	5.25B	16.0 B	6.71	2.33	0.508	0.034	0.014	0	0.881	2.77	4.86B	14
15	1.34 B	4.86B	15.0 B	6.29	2.28	0.465	0.032	0.013	0	0.998	2.60	4.19B	15
16	1.29 B	3.90B	15.5	5.82	2.20	0.407	0.031	0.012	0	1.15	2.48	3.74	16
17	1.80 B	3.88B	16.8	5.34	2.00	0.371	0.025	0.013	0	1.14	2.32	3.42B	17
18	9.60 B	3.66B	18.5	4.74	1.90	0.390	0.020	0.016	0	1.35	2.07	3.39	18
19	12.6 B	3.21B	14.3	4.26	5.28	0.390	0.015	0.024	0	2.88	1.82	5.48	19
20	10.5 B	2.80B	11.7	3.90	4.79	0.348	0.019	0.028	0	3.31	1.70	6.29B	20
21	6.95 B	2.50B	11.0	4.19	6.10	0.322	0.019	0.030	0	3.44	1.58	5.08	21
22	5.05 B	2.50B	10.1 A	4.46	6.93	0.318	0.016	0.030	0	3.08	1.53	6.64	22
23	3.80 B	6.50B	8.83	4.38	6.32	0.303	0.026	0.031	0	2.77	1.64	14.2	23
24	3.15 B	8.49B	7.39	4.03	5.17	0.303	0.022	0.032	0	2.46	1.63	21.0	24
25	4.60 B	9.60B	6.33	4.18	4.16	0.280	0.016	0.031	0	2.17	1.58	16.4 B	25
26	7.10 B	6.80B	5.58	5.02	3.51	0.249	0.013	0.029	0	1.89	1.48	11.3 B	26
27	7.02 B	5.10B	4.85	4.73	3.02	0.212	0.011	0.025	0	1.60	1.53	8.54B	27
28	6.45 B	4.40B	4.30	3.94	2.66	0.181	0.009	0.022	0	1.62	1.74	6.20	28
29	5.45 B		3.93	3.25	2.27	0.173	0.008	0.023	0	1.78	1.81	6.90	29
30	4.40 B		3.62	2.79	1.98	0.170	0.006	0.017	0.005	1.74	1.80	19.3	30
31	3.95 B		3.51		1.75		0.010	0.013		1.66		19.4 B	31
TOTAL	115.688	122.48	226.92	166.77	95.00	17.924	1.503	0.446	0.075	36.412	57.86	253.17	TOTAL
MEAN	3.73	4.37	7.32	5.56	3.06	0.598	0.049	0.014	0.003	1.17	1.93	8.17	MEAN
MAX	12.6	9.60	18.5	10.3	6.93	1.60	0.163	0.032	0.012	3.44	3.24	21.0	MAX
MIN	0.606	2.50	1.50	2.79	1.75	0.170	0.006	0	0	0.005	1.05	1.49	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.00
MAXIMUM DAILY, 21.0 ON DEC 24
MINIMUM DAILY, 0 ON AUG 10
MAXIMUM INSTANTANEOUS,
23.6 AT 19:35 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 15 24 N
LONG 076 36 46 W
DRAINAGE AREA, 155 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	10 000	JUL	130
FEB	10 600	AUG	38.5
MAR	19 600	SEP	6.48
APR	14 400	OCT	3 150
MAY	8 210	NOV	5 000
JUN	1 550	DEC	21 900

TOTAL DISCHARGE, 94 600 dam³

COMMANDA CREEK NEAR GOMMANDA - STATION NO. 02DD015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.570B	1.73 B	0.575B	2.39	4.62	1.18	1.26	0.606	0.161	1.05	1.18	9.28	1
2	0.575B	1.50 B	0.560B	2.63	3.74	1.11	1.02	0.444	0.154	1.56	1.14	7.17	2
3	0.580B	1.30 B	0.540B	3.12	2.95	1.12	0.789	0.346	0.122	1.69	1.10	5.42	3
4	0.590B	1.10 B	0.525B	3.21	2.44	1.10	0.634	0.264	0.187	2.45	1.18	4.50	4
5	0.670B	0.915B	0.515B	3.17	2.15	0.995	0.576	0.335	0.066	3.57	1.47	3.97	5
6	0.665B	0.920B	0.500B	2.91	1.81	0.940	0.516	0.458	0.126	2.99	2.27	3.81	6
7	0.662B	0.930B	0.490B	2.65	1.69	0.851	0.446	0.397	0.137	2.66	2.32	3.28	7
8	0.659B	0.940B	0.480B	2.39	2.09	0.778	0.406	0.369	0.098	3.36	2.21	2.96	8
9	0.650B	1.17 B	0.462B	2.32	2.38	0.791	0.508	0.319	0.079	3.80	2.00	2.67	9
10	0.645B	1.40 B	0.460B	2.57	2.59	0.804	0.498	0.273	0.090	4.95	1.90	2.42	10
11	0.635B	1.25 B	0.458B	2.63	3.21	0.777	0.435	0.242	0.088	7.04	1.85	2.25B	11
12	0.625B	1.17 B	0.840B	2.45	2.84	0.715	0.405	0.245	0.077	5.94	1.73	2.06	12
13	0.605B	1.08 B	1.70 B	2.27	2.38	0.670	0.382	0.223	0.077	4.43	1.64	1.93B	13
14	0.600B	1.00 B	2.67 B	2.38	2.04	0.637	0.336	0.197	0.512	3.53	1.79	1.78B	14
15	0.600B	0.950B	4.80 B	2.69	1.83	0.599	0.332	0.210	6.04	3.10	2.80	1.69B	15
16	0.610B	0.910B	10.7 B	2.98	1.79	0.556	0.365	0.215	4.74	2.68	2.87	1.62B	16
17	0.640B	0.870B	10.5 B	3.70	3.48	0.539	0.357	0.193	3.00	2.65	5.25	1.56B	17
18	1.50 B	0.830B	9.40 B	4.04	10.0	1.92	0.343	1.58	1.97	3.81	4.73	1.50B	18
19	2.60 B	0.800B	8.60 B	4.06	12.1	1.71	0.329	2.17	1.41	5.78	3.85	1.42B	19
20	3.32 B	0.765B	7.40 B	5.39	9.49	1.18	0.356	1.16	1.28	5.11	3.22	1.37B	20
21	3.15 B	0.745B	6.45 B	6.63	7.24	1.09	0.383	0.815	0.962	4.17	2.81	1.43B	21
22	3.00 B	0.740B	6.00 B	7.54	5.71	0.996	0.350	0.551	1.03	3.81	4.21	1.58B	22
23	2.80 B	0.725B	6.20 B	8.36	4.50	1.19	0.338	0.404	1.08	3.24	6.06	1.73B	23
24	2.67 B	0.710B	5.40 B	9.10	3.61	1.87	0.321	0.305	1.07	2.54	6.71	1.66B	24
25	2.52 B	0.685B	4.80 B	10.9	2.92	1.52	0.300	0.245	1.23	2.17	5.72	1.61B	25
26	2.65 B	0.655B	4.10 B	11.3	2.42	1.20	0.264	0.239	1.76	1.92	4.62	1.57B	26
27	2.70 B	0.635B	3.60 B	10.1	2.12	1.33	0.522	0.191	1.47	1.70	5.75	1.52B	27
28	2.62 B	0.610B	3.20 B	8.26	2.12	1.06	0.485	0.180A	1.24	1.65	13.7	1.50B	28
29	2.50 B		2.80 B	6.71	1.99	0.894	0.345	0.183	1.10	1.50	17.0	1.60B	29
30	2.30 B		2.50 B	5.62	1.64	0.906	0.468	0.196	0.959	1.40	13.1	1.75B	30
31	2.00 B		2.38		1.39		0.902	0.175		1.28		1.56B	31
TOTAL	46.911	27.035	109.605	144.47	111.48	31.028	14.971	13.730	32.315	97.53	126.18	80.17	TOTAL
MEAN	1.51	0.966	3.54	4.82	3.60	1.03	0.483	0.443	1.08	3.15	4.21	2.59	MEAN
MAX	3.32	1.73	10.7	11.3	12.1	1.92	1.26	2.17	6.04	7.04	17.0	9.28	MAX
MIN	0.570	0.610	0.458	2.27	1.39	0.539	0.264	0.175	0.066	1.05	1.10	1.37	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.29
MAXIMUM DAILY, 17.0 ON NOV 29
MINIMUM DAILY, 0.066 ON SEP 05
MAXIMUM INSTANTANEOUS,
18.0 AT 01:40 EST ON NOV 29

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 56 55 N
LONG 079 36 24 W
DRAINAGE AREA, 106 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	4 050	JUL	1 290
FEB	2 340	AUG	1 190
MAR	9 470	SEP	2 790
APR	12 500	OCT	8 430
MAY	9 630	NOV	10 900
JUN	2 680	DEC	6 930

TOTAL DISCHARGE, 72 200 dam³

CONESTOGO RIVER ABOVE DRAYTON - STATION NO. 02GA039

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.600B	3.00 B	1.30 B	6.17	0.618	0.420	1.23	0.135	0.128	2.03	0.997	4.22	1
2	0.860B	3.60 B	1.20 B	8.28	0.538	0.549	0.774	0.116	0.115	1.25	0.919	3.22	2
3	0.750B	3.30 B	1.00 B	9.59	0.473	0.656	0.503	0.107	0.111	0.745	0.860	2.36	3
4	1.10 B	2.20 B	0.950B	5.99	0.442	0.760	0.349	0.099	0.117	1.14	0.849	3.44	4
5	2.50 B	1.70 B	0.780B	3.82	1.19	0.673	0.249	0.098	0.147	4.33	7.12	3.53	5
6	4.20 B	1.55 B	0.680B	2.95	1.41	0.550	0.192	0.112	0.172	2.59	48.3	3.48	6
7	3.50 B	1.77 B	0.640B	2.38	0.992	0.459	0.153	0.110	0.161	1.47	15.4	2.89	7
8	3.00 B	2.22 B	0.610B	1.92	0.836	0.424	0.140	0.107	0.140	0.993	8.79	2.54	8
9	2.60 B	18.6 B	1.22	1.76	0.706	0.547	0.261	0.104	0.135	21.5	5.92	2.37	9
10	2.30 B	21.5 B	4.00	2.13	0.716	0.476	0.216	0.099	0.137	26.9	6.00	2.71	10
11	1.95 B	9.00 B	22.0 B	5.55	0.842	0.388	0.149	0.097	0.130	16.5	5.06	2.56	11
12	1.75 B	5.60 B	88.9 B	3.33	0.766	0.310	0.130	0.102	0.125	9.75	3.56	2.26	12
13	1.62 B	3.80 B	79.8	2.37	0.799	0.255	0.129	0.165	0.121	11.7	3.05	14.8	13
14	1.50 B	6.30 B	36.0	2.26	0.737	0.251	0.128	0.216	0.142	6.13	3.13	8.21	14
15	1.42 B	4.20 B	21.8	4.71	0.646	0.381	0.141	0.147	0.327	4.09	9.50	4.24	15
16	1.34 B	2.70 B	17.4	4.42	0.666	0.373	0.149	0.125	0.239	3.16	14.3	3.16	16
17	4.00 B	1.95 B	13.8	4.70	3.18	0.263	0.138	0.125	0.168	12.3	8.19	2.53	17
18	25.0 B	1.40 B	7.20	4.03	6.45	0.220	0.129	0.116	0.286	18.3	4.26	4.94	18
19	18.0 B	1.20 B	4.22	2.76	3.41	0.206	0.117	0.119	0.324	15.1	3.12	7.84	19
20	11.0 B	1.05 B	3.20	2.44	16.1	0.170	0.139	0.125	0.350	7.31	2.52	4.18	20
21	7.60 B	0.980B	3.11	4.40	15.3	0.158	0.153	0.113	0.323	4.41	2.24	3.47	21
22	5.78 B	2.66 B	9.00	3.27	5.81	0.167	0.142	0.112	0.339	3.20	21.4	24.1	22
23	3.90 B	19.8 B	27.6	2.41	3.17	0.755	0.144	0.111	0.363	2.48	17.5	18.5	23
24	3.40 B	12.0 B	7.80	1.90	2.20	5.31	0.149	0.109	0.350	4.03	11.8	8.29B	24
25	3.70 B	4.80 B	4.49	1.54	1.71	2.57	0.150	0.101	0.315	1.70	7.94	4.80B	25
26	5.60 B	2.60 B	4.00	1.28	1.31	1.37	0.123	0.100	0.329	1.41	5.74	4.45B	26
27	8.50 B	1.70 B	2.85	1.09	1.06	0.832	0.111	0.104	0.367	1.20	24.2	4.30B	27
28	11.0 B	1.40 B	2.37	0.926	0.986	0.602	0.100	0.161	0.353	1.19	28.7	5.14B	28
29	6.60 B		2.15	0.808	0.845	0.966	0.095	0.175	0.453	1.31	13.3	34.8	29
30	4.70 B		2.27	0.772	0.654	2.07	0.104	0.131	1.67	1.13	6.31	57.8	30
31	3.40 B		4.06		0.557		0.125	0.116		1.09		15.2	31
TOTAL	153.170	142.580	376.400	99.956	74.819	23.131	6.812	3.757	8.437	188.438	290.975	266.33	TOTAL
MEAN	4.94	5.09	12.1	3.33	2.41	0.771	0.220	0.121	0.281	6.08	9.70	8.59	MEAN
MAX	25.0	21.5	88.9	9.59	16.1	5.31	1.23	0.216	1.67	26.9	48.3	57.8	MAX
MIN	0.600	0.980	0.610	0.772	0.442	0.158	0.095	0.097	0.111	0.745	0.849	2.26	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.48
MAXIMUM DAILY, 88.9B ON MAR 12
MINIMUM DAILY, 0.095 ON JUL 29
MAXIMUM INSTANTANEOUS,
114 AT 22:55 EST ON MAR 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 46 58 N
LONG 080 38 20 W
DRAINAGE AREA, 272 km²
B - ICE CONDITIONS
REGULATED SINCE 1982

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	13 200	JUL	589
FEB	12 300	AUG	325
MAR	32 500	SEP	729
APR	8 640	OCT	16 300
MAY	6 460	NOV	25 100
JUN	2 000	DEC	23 000

TOTAL DISCHARGE, 141 000 dam³

CONESTOGO RIVER AT GLEN ALLAN - STATION NO. 02GA028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.06	16.2	3.80B	4.01	3.63	2.57	3.67	5.99	3.67	3.22	12.1	26.2	1
2	4.90	15.4	3.50B	8.67	3.30	2.59	3.78	5.87	3.68	3.14	11.6	22.1	2
3	4.66	14.8 B	3.25B	13.5	3.36	2.63	3.78	6.16	3.64	3.24	7.05	18.4	3
4	4.54	13.0 B	3.05B	16.6	3.35	2.54	3.82	6.27	3.62	3.42	7.08	15.4	4
5	4.56B	10.5 B	2.85B	8.74A	3.44	2.92	3.86	6.06	3.58	3.39	8.63	15.3	5
6	4.80B	4.20B	2.75B	3.91E	3.40	3.15	3.91	5.87	3.54	3.39	22.2	15.2	6
7	5.40B	2.80B	2.67B	3.91E	3.39	3.13	4.00	5.74	3.48	3.32	18.8	15.0	7
8	5.20B	3.80B	2.63B	3.91E	2.97	3.18	4.11	5.58	3.48	3.32	11.2	14.8	8
9	4.71	5.52	2.78B	3.91E	2.73	3.11	4.27	5.44	3.44	5.06	14.9	14.6	9
10	4.64	11.5	3.00B	4.10E	2.75	3.09	4.37	5.23	3.44	16.1	27.9	14.3	10
11	4.68B	8.27B	3.70B	5.69A	3.00	3.09	4.49	5.07	3.41	26.8	22.8	14.2	11
12	4.40B	3.20B	10.6	5.72	2.87	3.09	4.52	4.96	3.42	26.6	22.4	14.0	12
13	4.18B	3.12	15.2	4.69	2.75	3.15	4.80	4.86	3.42	26.2	22.1	14.1	13
14	4.00B	3.80B	8.40	4.18	2.87	3.15	4.87	4.65	3.54	24.8	21.7	14.1	14
15	3.65B	3.40B	9.49	4.34	2.83	3.17	4.99	4.54	3.38	24.0	17.6	14.2	15
16	3.80B	3.70B	13.3	8.73	2.82	3.18	5.28	4.39	3.35	20.3	18.0	13.9	16
17	4.00B	4.20B	18.7	9.89	2.86	3.19	5.43	4.31	3.28	18.5	19.8	13.8	17
18	5.20B	4.65B	18.7	5.57	2.72	3.18	5.64	4.22	3.30	23.2	19.6	13.9	18
19	10.5 B	4.00B	18.1	5.61	2.72	3.16	5.83	4.13	3.34	27.6	19.3	13.9	19
20	19.5 B	3.60B	8.87	5.62	9.29	3.19	5.76	4.08	3.31	27.3	19.1	13.9	20
21	20.3	3.45B	4.11	5.57	17.0	3.20	6.05	4.01	3.29	24.0	18.8	13.8	21
22	20.0	3.35B	7.07	5.59	5.82	3.39	6.03	3.93	3.27	21.8	19.1	14.2	22
23	19.9 B	9.47	36.9	5.59	4.20	3.62	6.09	3.98	3.28	17.6	19.5	23.5	23
24	19.0	16.0 B	38.6	4.80	3.32	3.55	6.21	3.90	3.27	15.3	19.8	50.0	24
25	18.6	7.00B	21.4	4.24	3.28	3.58	6.35	3.86	3.24	15.2	19.7	23.9	25
26	18.1	6.00B	10.0	4.21	3.25	3.52	6.43	3.84	3.20	15.2	19.7	16.3	26
27	18.0	5.20B	5.71	4.18	3.23	3.52	6.41	3.85	3.18	15.2	20.1	13.5	27
28	18.0	4.50B	4.02	4.26	3.18	3.54	6.36	3.84	3.16	15.1	26.7	13.2	28
29	17.9		4.05	4.27	3.18	3.63	6.36	3.78	3.21	15.0	33.4	14.9	29
30	17.6		4.05	4.22	3.17	3.68	6.21	3.80	3.42	15.0	33.1	26.5	30
31	17.0		4.04		2.76		6.06	3.76		14.9		36.7	31
TOTAL	316.78	194.63	295.29	178.23	119.44	95.69	159.84	145.97	101.84	477.20	633.76	537.8	TOTAL
MEAN	10.2	6.95	9.53	5.94	3.85	3.19	5.16	4.71	3.39	15.4	21.1	17.3	MEAN
MAX	20.3	16.2	38.6	16.6	17.0	3.68	6.43	6.27	3.68	27.6	38.8	36.7	MAX
MIN	3.65	2.80	2.63	3.91	2.72	2.54	3.67	3.76	3.16	3.14	7.05	13.2	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.92
MAXIMUM DAILY, 38.8 ON NOV 07
MINIMUM DAILY, 2.54 ON JUN 04
MAXIMUM INSTANTANEOUS,
40.7 AT 10:48 EST ON MAR 23

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 39 17 N
LONG 080 42 06 W
DRAINAGE AREA, 578 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1958

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	27 400	JUL	13 800
FEB	16 800	AUG	12 600
MAR	25 500	SEP	8 800
APR	15 400	OCT	41 200
MAY	10 300	NOV	54 800
JUN	8 270	DEC	46 500

TOTAL DISCHARGE, 281 000 dam³

CONISTON CREEK ABOVE WANAPITEI RIVER - STATION NO. 02DB007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.219B	0.605B	0.520B	1.22	0.835	0.483	1.28 E	0.236E	0.275E	0.846	0.840	2.86	1
2	0.218B	0.590B	0.530B	1.54	0.761	0.459	1.08 E	0.210E	0.238E	0.745	0.824	2.02	2
3	0.217B	0.575B	0.520B	1.33	0.678	0.474	0.920E	0.195E	0.210E	0.643	0.833	1.15	3
4	0.250B	0.560B	0.510B	1.85	0.654	0.462	0.765E	0.350E	0.300E	0.730	1.09	1.08	4
5	0.350B	0.550B	0.500B	2.40	0.606	0.436	0.656	0.300E	0.270E	0.605	1.08	1.05 B	5
6	0.335B	0.560B	0.490B	2.02	0.539	0.416	0.494	0.240E	0.240E	0.591	1.23	1.01 B	6
7	0.325B	0.585B	0.480B	1.65	0.509	0.426	0.419	0.210E	0.235E	0.633	1.35	0.975B	7
8	0.335B	0.620B	0.475B	1.47	0.916	0.464	0.450	0.195E	0.218E	0.624	1.35	0.950B	8
9	0.360B	0.650B	0.480B	1.51	1.08	0.650	0.500	0.185E	0.211E	0.619	1.32 B	0.930B	9
10	0.355B	0.680B	0.515B	2.14	1.32	0.581	0.396	0.175E	0.250E	1.58	1.28 B	0.910B	10
11	0.348B	0.670B	0.560B	2.00 B	1.62	0.479	0.320	0.240E	0.244E	2.47	1.26 B	0.900B	11
12	0.344B	0.660B	0.680B	1.94	1.36	0.399	0.311	0.232E	0.465E	1.53	1.24 B	0.903B	12
13	0.339B	0.665B	0.900B	1.65	1.10	0.457	0.256	0.223E	0.401	1.17	1.21 B	0.880B	13
14	0.335B	0.620B	3.00 B	1.57	0.929	0.454	0.300E	0.217E	0.543	1.02	1.18 B	0.860B	14
15	0.330B	0.610B	15.0 B	1.63	0.854	0.408	0.280E	0.204E	0.488	1.33	1.80	0.850B	15
16	0.327B	0.595B	25.0 B	1.57	2.17	0.373	0.257E	0.192E	0.431	1.28	5.13	0.840B	16
17	0.420B	0.590B	22.6	1.77	14.1	0.396	0.250E	0.185E	0.369	2.91	6.41	0.830B	17
18	0.600B	0.575B	11.2	2.14	30.8	0.450	0.228E	0.175E	0.365	6.22	4.11	1.01	18
19	0.900B	0.571B	6.40	2.18	10.6	0.650	0.209E	0.170E	0.365E	7.47	2.73	0.819	19
20	0.870B	0.555B	4.87	2.00	4.90	0.599	0.197E	0.165E	0.320E	4.40	2.51	0.829	20
21	0.840B	0.560B	4.24	1.80	2.88	0.554	0.225E	0.158E	0.490E	2.88	2.79	0.846	21
22	0.810B	0.580B	4.32	1.61	2.01	0.508	0.230E	0.156E	0.565	2.48	7.69	0.979	22
23	0.785B	0.575B	4.65	1.48	1.53	1.35 E	0.190E	0.145E	0.481	2.00	6.05	1.11	23
24	0.765B	0.560B	3.10 E	1.39	1.21	1.18 E	0.155E	0.135E	0.448	1.59	4.60	0.963	24
25	0.745B	0.550B	2.11 E	1.56	1.00	1.00 E	0.135E	0.125E	0.457	1.36	3.19	0.770	25
26	0.747B	0.540B	1.64	1.49	0.871	0.880E	0.138E	0.118E	0.481	1.17	2.25	0.709	26
27	0.752B	0.530B	1.52	1.28	0.809	0.780E	0.142E	0.110E	0.529	1.00	2.21	0.694	27
28	0.705B	0.520B	1.46	1.08	0.714	0.690E	0.128E	0.540E	0.442	1.11	13.7	0.774	28
29	0.670B		1.09	1.00	0.634	1.15 E	0.115E	0.430E	0.410	1.03	7.80	0.914	29
30	0.645B		1.07	0.946	0.570	1.50 E	0.900E	0.365E	0.583	0.987	4.07	0.780B	30
31	0.625B		1.05		0.514		0.350E	0.315E		0.903		0.700B	31
TOTAL	15.866	16.501	120.810	49.216	89.073	19.113	12.276	6.896	11.324	53.926	96.127	30.895	TOTAL
MEAN	0.512	0.589	3.90	1.64	2.87	0.637	0.396	0.223	0.378	1.74	3.20	0.997	MEAN
MAX	0.900	0.680	25.0	2.40	30.8	1.50	1.28	0.540	0.583	7.47	13.7	2.86	MAX
MIN	0.217	0.520	0.475	0.946	0.509	0.378	0.115	0.110	0.210	0.591	0.824	0.694	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.43
MAXIMUM DAILY, 30.8 ON MAY 18
MINIMUM DAILY, 0.110E ON AUG 27
MAXIMUM INSTANTANEOUS,
41.9 AT 04:24 EST ON MAY 18

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 28 28 N
LONG 080 49 18 W
DRAINAGE AREA, 59 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 370	JUL	1 060
FEB	1 430	AUG	596
MAR	10 400	SEP	978
APR	4 250	OCT	4 660
MAY	7 700	NOV	8 310
JUN	1 650	DEC	2 670

TOTAL DISCHARGE, 45 100 dam³

REMARKS - DATA PRIOR TO 1980 COLLECTED AND PUBLISHED BY ONT. MINISTRY OF ENVIRONMENT UNDER STATION NO. 02DB102

CONSECON CREEK AT ALLISONVILLE - STATION NO. 02HE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.501	2.37	2.12	2.41	2.30	1.15	0.534	0.012	0.005	0.006	0.040	0.422	1
2	0.372	2.33B	1.99	2.47	2.01	1.01	0.531	0.012	0.006	0.005	0.039	0.473	2
3	0.377	2.01B	1.97	3.49	1.75	0.951	0.451	0.011	0.005	0.005	0.036	0.502	3
4	0.392	1.77B	1.90 B	6.17	1.60	0.931	0.364	0.011	0.004	0.006	0.039	1.80	4
5	0.412	1.66B	1.59 B	8.38	1.88	0.795	0.293	0.012	0.004	0.006	0.048	2.94	5
6	0.814	1.47	1.33 B	8.25	1.98	0.696	0.217	0.014	0.005	0.005	0.092	3.85	6
7	0.809	1.38	1.03 B	6.84	2.40	0.596	0.178	0.012	0.004	0.005	0.079	5.25	7
8	0.749	1.46	0.765B	5.36	2.89	0.574	0.137	0.011	0.004	0.005	0.077	6.11	8
9	0.700	2.49	0.674	3.86	3.28	0.543	0.137	0.011	0.004	0.005	0.072	6.25	9
10	0.748	2.91B	0.641	4.03	3.20	0.616	0.113	0.010	0.003	0.006	0.119	6.23	10
11	1.25	2.84B	1.33	6.72	2.99	0.616	0.087	0.011	0.005	0.007	0.141	4.65	11
12	1.36 B	3.02B	12.9 B	6.77	2.69	0.537	0.073	0.011	0.003	0.005	0.128	3.87	12
13	1.47 B	3.02	19.1 B	5.80	3.03	0.454	0.056	0.030	0.004	0.009	0.118	2.79	13
14	1.47	3.48	18.6	5.09	3.31	0.402	0.046	0.043	0.006	0.012	0.105	2.99	14
15	0.991	3.45B	14.3	5.01	3.14	0.358	0.046	0.045	0.005	0.012	0.097	2.45	15
16	0.850	2.69B	12.1	4.22	3.17	0.331	0.037	0.042	0.005	0.010	0.102	2.12	16
17	1.66	2.50B	12.7	3.53	5.09	0.284	0.023	0.026	0.005	0.011	0.103	1.85	17
18	9.52	2.20B	12.4	2.99	6.80	0.396	0.016	0.015	0.004	0.027	0.105	2.26	18
19	5.08	2.04B	9.69	2.56	7.42	0.487	0.013	0.011	0.004	0.047	0.124	3.31 B	19
20	6.53	1.82B	8.93	2.71	8.19	0.465	0.040	0.010	0.004	0.032	0.141	2.93 B	20
21	4.27	1.43	8.66	3.18	9.41	0.404	0.032	0.010	0.003	0.024	0.147	2.91	21
22	2.32	1.52	8.33	2.95	8.31	0.349	0.022	0.009	0.004	0.026	0.199	5.62	22
23	1.83	2.85	8.03	2.74	6.96	0.367	0.039	0.007	0.005	0.027	0.319	11.2	23
24	1.98	5.67B	6.66	2.90	5.56	0.439	0.032	0.007	0.004	0.022	0.341	11.6	24
25	2.42	2.84B	5.31	4.70	4.31	0.494	0.020	0.006	0.003	0.017	0.335	12.4	25
26	3.33	2.50B	4.12	5.19	3.27	0.473	0.016	0.006	0.003	0.015	0.318	9.99	26
27	3.44	2.45	3.22	4.51	2.65	0.424	0.014	0.007	0.003	0.015	0.349	8.30	27
28	3.48	2.32	2.80	3.66	2.23	0.383	0.011	0.008	0.003	0.055	0.418	4.28	28
29	3.03		2.43	3.02	1.86	0.395	0.011	0.007	0.003	0.064	0.433	5.13	29
30	2.54		2.28	2.60	1.59	0.477	0.012	0.006	0.007	0.058	0.401	10.0	30
31	2.39		2.35		1.35		0.014	0.005		0.049		10.3	31
TOTAL	67.085	65.49	190.250	132.11	116.62	16.397	3.615	0.438	0.127	0.598	5.065	155.777	TOTAL
MEAN	2.16	2.34	6.14	4.40	3.76	0.547	0.117	0.014	0.004	0.019	0.169	5.03	MEAN
MAX	9.52	3.48	19.1	8.38	9.41	1.15	0.534	0.045	0.007	0.064	0.433	12.4	MAX
MIN	0.372	1.38	0.641	2.41	1.35	0.284	0.011	0.005	0.003	0.005	0.036	0.422	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.06
MAXIMUM DAILY, 19.1B ON MAR 13
MINIMUM DAILY, 0.003 ON SEP 10
MAXIMUM INSTANTANEOUS,
20.7 AT 20:10 EST ON MAR 13

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 01 40 N
LONG 077 22 00 W
DRAINAGE AREA, 114 km²

B - ICE CONDITIONS

REGULATED SINCE 1969

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 800	JUL	312
FEB	5 660	AUG	37.8
MAR	16 400	SEP	11.0
APR	11 400	OCT	51.7
MAY	10 100	NOV	438
JUN	1 420	DEC	13 500

TOTAL DISCHARGE, 65 100 dam³

COPELAND CREEK NEAR PENETAGUISHENE - STATION NO. 02ED019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.133	0.133	0.115	0.220	0.083	0.062	0.099	0.056	0.043	0.088	0.067	0.188	1
2	0.146	0.116	0.119	0.382	0.074	0.216	0.066	0.043	0.041	0.086	0.065	0.209	2
3	0.128	0.103	0.112	0.634	0.066	0.180	0.057	0.044	0.034	0.072	0.061	0.152	3
4	0.159	0.099B	0.102	0.476	0.069	0.106	0.052	0.045	0.039	0.073	0.062	0.150	4
5	0.256	0.096B	0.106	0.333	0.073	0.080	0.044	0.053	0.050	0.066	0.114	0.143	5
6	0.201	0.098B	0.104	0.204	0.081	0.072	0.041	0.052	0.047	0.060	0.537	0.131	6
7	0.160	0.099	0.097	0.167	0.095	0.071	0.045	0.049	0.054	0.054	0.273	0.146	7
8	0.142	0.104	0.097	0.161	0.122	0.062	0.066	0.045	0.045	0.053	0.245	0.147	8
9	0.139	0.197	0.108	0.158	0.111	0.062	0.147	0.045	0.044	0.115	0.159	0.166	9
10	0.177	0.249	0.114	0.358	0.109	0.069	0.083	0.045	0.044	0.204	0.144	0.255	10
11	0.168	0.182	0.159	0.451	0.101	0.063	0.065	0.041	0.054	0.175	0.134	0.180	11
12	0.147	0.150	0.858	0.249	0.094	0.056	0.051	0.043	0.040	0.118	0.136	0.143	12
13	0.134	0.146	1.35 B	0.186	0.086	0.065	0.049	0.084	0.062	0.097	0.121	0.204	13
14	0.135	0.144	1.90 B	0.184	0.081	0.067	0.053	0.066	0.113	0.083	0.106	0.143	14
15	0.131	0.115B	1.50 B	0.244	0.098	0.065	0.056	0.054	0.091	0.074	0.125	0.118	15
16	0.121	0.110B	1.08	0.200	0.109	0.055	0.059	0.047	0.057	0.072	0.138	0.114	16
17	0.204	0.105	0.633	0.286	0.591	0.055	0.054	0.045	0.051	0.098	0.161	0.112	17
18	0.436	0.104	0.436	0.210	0.460	0.054	0.054	0.049	0.050	0.135	0.123	0.144	18
19	0.253B	0.103	0.287	0.173	0.179	0.057	0.050	0.050	0.047	0.128	0.113	0.163	19
20	0.210B	0.096	0.217	0.167	0.159	0.052	0.071	0.039	0.047	0.094	0.100	0.109	20
21	0.161B	0.096	0.204	0.236	0.187	0.049	0.061	0.037	0.046	0.081	0.097	0.108	21
22	0.161	0.126	0.299	0.183	0.135	0.056	0.056	0.040	0.063	0.074	0.450	0.264	22
23	0.145	0.221	0.618	0.154	0.112	0.075	0.055	0.045	0.067	0.068	0.280	0.266	23
24	0.139	0.179	0.260	0.140	0.099	0.066	0.053	0.042	0.063	0.061	0.196	0.159	24
25	0.153	0.128	0.196	0.129	0.089	0.058	0.052	0.037	0.055	0.067	0.182	0.131	25
26	0.224	0.127	0.186	0.120	0.076	0.092	0.045	0.033	0.054	0.062	0.162	0.110	26
27	0.190	0.116	0.158	0.112	0.075	0.048	0.043	0.039	0.050	0.069	0.449	0.113	27
28	0.185B	0.116	0.146	0.100	0.068	0.042	0.041	0.037	0.062	0.072	0.423	0.108	28
29	0.175B		0.145	0.088	0.066	0.071	0.041	0.039	0.043	0.080	0.217	0.449B	29
30	0.155B		0.149	0.086	0.067	0.092	0.068	0.039	0.108	0.073	0.184	0.628	30
31	0.139B		0.182		0.060		0.077	0.040		0.069		0.234	31
TOTAL	5.407	3.658	12.037	6.791	3.875	2.218	1.854	1.423	1.664	2.721	5.624	5.687	TOTAL
MEAN	0.174	0.131	0.388	0.226	0.125	0.074	0.060	0.046	0.056	0.088	0.188	0.184	MEAN
MAX	0.436	0.249	1.90	0.634	0.591	0.216	0.147	0.084	0.113	0.204	0.537	0.628	MAX
MIN	0.121	0.096	0.097	0.086	0.060	0.042	0.041	0.033	0.034	0.053	0.061	0.108	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.145
MAXIMUM DAILY, 1.90B ON MAR 14
MINIMUM DAILY, 0.033 ON AUG 26
MAXIMUM INSTANTANEOUS,
3.36B AT 19:55 EST ON MAR 14

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 45 49 N
LONG 079 57 10 W
DRAINAGE AREA, 26.9 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	467	JUL	160
FEB	316	AUG	123
MAR	1 040	SEP	144
APR	587	OCT	235
MAY	335	NOV	486
JUN	192	DEC	491

TOTAL DISCHARGE, 4 580 dam³

CREDIT RIVER ALTON BRANCH ABOVE ALTON - STATION NO. 02HB019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.440B	0.590B	0.750B	0.765	0.564	0.455	0.470	0.361	0.601	0.779	0.524	0.682	1
2	0.430B	0.550B	0.710B	0.890	0.541	0.440	0.429	0.332	0.495	0.728	0.500	0.726	2
3	0.420B	0.540B	0.680B	1.07	0.505	0.480	0.382	0.312	0.415	0.598	0.478	1.05 B	3
4	0.500B	0.520B	0.670B	1.05	0.512	0.569	0.356	0.308	0.381	0.539	0.500	1.15 B	4
5	0.620B	0.510B	0.660B	0.988	0.746	0.520	0.346	0.323	0.525	0.764	0.706	1.00 B	5
6	0.470B	0.500B	0.640B	0.887	0.675	0.478	0.332	0.348	0.521	0.624	1.56	0.830B	6
7	0.440B	0.520B	0.630B	0.817	0.629	0.448	0.317	0.349	0.605	0.564	1.28	0.800B	7
8	0.420B	0.500B	0.620B	0.755	0.597	0.486	0.310	0.310	0.562	0.495	1.07	0.777	8
9	0.410B	0.700B	0.600B	0.711	0.560	0.533	0.334	0.321	0.524	1.69	0.846	0.739	9
10	0.400B	1.40 B	0.600B	0.842	0.604	0.531	0.310	0.307	0.500	1.98	0.750B	0.747	10
11	0.397B	1.38 B	0.800B	1.02	0.630	0.542	0.301	0.330	0.463	1.53	0.740B	0.712	11
12	0.393B	0.750B	6.55	0.890	0.598	0.464	0.305	0.471	0.422	1.28	0.730B	0.696	12
13	0.388B	0.660B	11.4 A	0.794	0.660	0.455	0.293	0.582	0.361	1.28	0.707	0.870B	13
14	0.384B	0.700B	8.00 E	0.806	0.643	0.434	0.283	0.497	0.497	1.05	0.676	1.00 B	14
15	0.380B	0.560B	4.50 A	0.895	0.603	0.431	0.473	0.444	0.748	0.846	0.738	0.850B	15
16	0.378B	0.630B	3.49	0.841	0.747	0.420	0.423	0.421	0.618	0.756	0.807	0.730	16
17	0.750B	0.560B	2.62	0.915	1.17	0.405	0.374	0.374	0.489	0.974	0.796	0.707	17
18	2.20 B	0.540B	2.02 A	0.825	1.16	0.390	0.361	0.364	0.409	1.11	0.722	0.822	18
19	2.05 B	0.530B	1.60 E	0.745	1.01	0.372	0.359	0.388	0.424	1.07	0.675	0.834	19
20	0.900B	0.520B	1.14 A	0.762	1.53	0.343	0.587	0.388	0.458	0.891	0.642	0.780B	20
21	0.650B	0.540B	1.13	0.863	1.61	0.345	0.495	0.354	0.418	0.783	0.623	0.739	21
22	0.580B	1.00 B	1.11	0.816	1.24	0.360	0.475	0.357	0.404	0.738	0.886	1.07	22
23	0.540B	1.70 B	1.48	0.804	1.01	0.602	0.545	0.362	0.448	0.677	0.927	1.27	23
24	0.580B	2.20 B	1.15	0.766	0.852	0.668	0.470	0.345	0.413	0.637	0.923	1.30 B	24
25	0.620B	1.80 B	0.981	0.729	0.760	0.572	0.444	0.338	0.383	0.596	0.823	1.20 B	25
26	0.780B	1.20 B	0.935	0.705	0.684	0.505	0.421	0.326	0.375	0.603	0.762	1.02 B	26
27	0.670B	0.920B	0.852	0.681	0.611	0.460	0.373	0.332	0.343	0.550	0.783	1.00 B	27
28	0.720B	0.820B	0.795	0.644	0.577	0.407	0.353	0.579	0.318	0.559	0.900	0.980B	28
29	0.640B		0.710	0.617	0.567	0.576	0.336	0.402	0.378	0.554	0.856	2.00 B	29
30	0.600B		0.677	0.596	0.524	0.518	0.360	0.422	1.04	0.523	0.774	2.75	30
31	0.560B		0.723		0.476		0.402	0.496		0.513		1.99	31
TOTAL	19.710	23.340	59.223	24.489	23.595	14.209	12.019	11.843	14.538	26.381	23.704	31.821	TOTAL
MEAN	0.636	0.834	1.91	0.816	0.761	0.474	0.388	0.382	0.485	0.851	0.790	1.03	MEAN
MAX	2.20	2.20	11.4	1.07	1.61	0.668	0.587	0.582	1.04	1.98	1.56	2.75	MAX
MIN	0.378	0.500	0.600	0.596	0.476	0.343	0.283	0.307	0.318	0.495	0.478	0.682	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.780
MAXIMUM DAILY, 11.4A ON MAR 13
MINIMUM DAILY, 0.283 ON JUL 14
MAXIMUM INSTANTANEOUS,
12.0 AT 02:30 EST ON MAR 13

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 51 14 N
LONG 080 05 02 W
DRAINAGE AREA, 59.5 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 700	JUL	1 040
FEB	2 020	AUG	1 020
MAR	5 120	SEP	1 260
APR	2 120	OCT	2 280
MAY	2 040	NOV	2 050
JUN	1 230	DEC	2 750

TOTAL DISCHARGE, 24 600 dam³

CREDIT RIVER AT BOSTON MILLS - STATION NO. 02HB018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.40B	4.00B	6.40B	5.41	3.63	3.07	3.10	2.20	2.07	4.94	2.69	3.80	1
2	3.00B	4.70B	6.60B	6.18	3.39	2.90	2.73	1.92	1.95	3.83	2.83	3.55	2
3	2.90B	4.50B	5.50B	7.52	3.20	3.04	2.50	1.82	1.85	3.11	2.85	3.53	3
4	3.50B	3.30B	5.00B	6.81	3.24	3.61	2.28	1.77	1.81	3.29	2.90	6.35	4
5	4.40B	3.20B	4.80B	6.24	3.39	3.35	2.18	2.06	2.04	4.24	4.28	5.88	5
6	3.80B	3.10B	4.60B	5.31	5.32	3.09	2.08	2.14	2.11	3.70	10.7	5.33	6
7	3.20B	3.00B	4.40B	4.74	4.30	2.94	2.01	2.02	2.22	3.09	7.74	4.52	7
8	2.90B	3.50B	4.10B	4.45	3.96	3.01	2.02	1.86	2.11	2.91	5.55	4.22	8
9	2.80B	4.00B	3.90B	4.41	3.67	3.47	2.24	1.79	2.01	6.84	4.62	4.06	9
10	2.80B	9.00B	7.00B	5.14	3.90	3.23	2.07	1.75	2.01	10.4	4.31	4.50	10
11	2.90B	7.00B	15.0 B	7.18	4.13	3.07	1.96	1.91	1.97	7.57	4.11	4.19	11
12	2.60B	5.50B	42.2	6.13	3.83	2.84	1.89	2.64	1.98	6.28	3.98	3.96	12
13	2.40B	4.25B	54.1	5.13	4.20	2.95	1.86	3.80	1.85	7.07	3.81	5.43	13
14	2.30B	4.10B	43.3	4.94	4.34	2.87	1.93	3.50	2.27	5.45	3.64	4.51B	14
15	2.23B	3.80B	27.0	5.46	3.85	2.82	2.81	2.74	3.68	4.35	3.90	4.24B	15
16	2.20B	4.40B	18.2	5.31	5.15	2.62	3.11	2.33	2.99	4.00	4.30	4.14	16
17	3.00B	4.00B	13.9	5.92	8.84	2.52	2.55	2.14	2.49	5.20	4.23	3.93	17
18	15.0 B	3.70B	10.6	5.18	8.44	2.53	2.36	2.16	2.22	6.20	3.79	4.71	18
19	12.0 B	3.50B	8.07	4.73	6.15	2.22	2.22	2.48	2.26	6.01	3.53	5.39	19
20	8.00B	3.45B	6.84	4.66	9.13	2.22	2.91	2.40	2.48	4.73	3.46	4.49	20
21	6.00B	3.40B	6.30	5.33	11.5	2.27	2.87	2.29	2.38	4.03	3.47	4.37	21
22	5.40B	6.00B	6.35	5.15	7.65	2.35	2.60	2.25	2.24	3.68	4.49	6.44	22
23	5.00B	12.0 B	9.32	4.91	5.84	3.55	3.05	5.15	2.24	3.38	5.46	9.02	23
24	5.40B	10.0 B	7.56	4.23	5.10	4.30	2.72	5.02	2.24	3.26	5.09	6.77	24
25	6.00B	8.50B	6.14	4.12	4.59	3.67	2.33	2.00	2.22	3.20	4.57	4.77B	25
26	6.60B	7.20B	5.64	4.18	4.20	2.93	2.11	1.90	2.14	3.01	4.15	4.55B	26
27	6.00B	6.60B	5.00	4.14	3.86	2.64	1.97	1.87	2.12	2.97	4.23	4.46B	27
28	5.20B	6.20B	4.70	3.90	3.63	2.41	1.87	3.55	2.05	2.97	4.93	4.43B	28
29	4.50B		4.58	3.83	3.47	3.35	1.79	3.22	2.13	2.85	4.68	9.19B	29
30	4.00B		4.54	3.70	3.33	3.73	2.07	2.46	5.14	2.86	4.07	20.4	30
31	3.80B		5.03		3.19		2.64	2.16		2.84		12.0 B	31
TOTAL	143.23	145.90	356.67	153.84	154.42	89.67	72.83	71.30	69.32	138.32	132.36	177.13	TOTAL
MEAN	4.62	5.21	11.5	5.13	4.98	2.99	2.35	2.30	2.31	4.46	4.41	5.71	MEAN
MAX	15.0	12.0	54.1	7.52	11.5	4.30	3.11	3.80	5.14	10.4	10.7	20.4	MAX
MIN	2.20	3.00	3.90	3.70	3.19	2.22	1.79	1.75	1.81	2.84	2.69	3.53	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.67
MAXIMUM DAILY, 54.1 ON MAR 13
MINIMUM DAILY, 1.75 ON AUG 10
MAXIMUM INSTANTANEOUS,
55.4 AT 14:30 EST ON MAR 13

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 46 26 N
LONG 079 55 39 W
DRAINAGE AREA, 402 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	12 400	JUL	6 290
FEB	12 600	AUG	6 160
MAR	30 800	SEP	5 990
APR	13 300	OCT	12 000
MAY	13 300	NOV	11 400
JUN	7 750	DEC	15 300

TOTAL DISCHARGE, 147 000 dam³

CREDIT RIVER AT ERINDALE - STATION NO. 02HB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.00B	7.66	7.00B	9.19	5.56	5.07	4.78	3.33	3.00	6.31	4.10	6.03	1
2	4.80B	12.8	6.70B	11.6	5.33	4.83	3.96	2.82	2.92	5.40	3.96	5.64	2
3	4.60B	7.91	6.40B	16.1	5.08	5.78	3.55	2.56	2.68	4.61	4.05	6.96	3
4	5.00B	6.60B	6.10B	14.2	5.11	5.64	3.22	2.49	2.53	6.39	4.07	20.6	4
5	8.00B	6.40B	6.00B	11.8	9.00	5.27	3.09	3.56	2.61	5.28	11.7	13.4	5
6	7.50B	6.66B	5.80B	9.95	8.35	4.95	3.02	3.02	2.96	5.14	28.3	12.0	6
7	7.00B	7.77	5.60B	8.49	6.94	4.55	2.75	2.77	3.26	4.52	16.7	9.73	7
8	6.50B	13.6	5.80B	7.64	6.19	5.15	2.74	2.60	3.05	5.01	10.7	8.91	8
9	6.80B	23.8	6.40B	7.31	5.96	5.80	3.77	2.35	2.83	10.5	7.96	8.39	9
10	9.00B	21.9	7.00B	10.9	6.39	4.98	2.95	2.26	2.83	15.0	7.14	11.1	10
11	7.00B	14.3	22.0 B	17.3	6.34	4.63	2.63	2.33	2.89	12.8	6.69	9.84	11
12	5.70B	10.9	70.0 B	12.7	6.05	4.26	2.49	8.68	2.84	16.9	6.49	7.87	12
13	5.40B	9.77	100 B	9.95	5.66	4.46	2.45	16.5	2.68	16.2	6.15	13.2	13
14	5.20B	11.3	88.5	9.59	5.52	4.26	2.33	7.35	3.69	10.3	5.78	11.0	14
15	5.00B	6.25	48.2	10.2	6.50	4.16	5.78	5.24	5.32	7.66	6.11	8.57	15
16	6.00B	6.32	26.5	9.95	14.6	3.89	4.16	4.51	4.27	6.21	6.38	8.36	16
17	13.0 B	8.52	18.1	10.7	23.0	3.66	3.69	3.78	3.60	12.4	6.42	7.23	17
18	36.0 B	7.03	12.8	9.56	20.5	3.66	3.67	4.22	3.21	12.7	5.95	12.0	18
19	25.0 B	6.70B	10.1	8.62	13.8	3.44	3.04	6.59	3.40	11.3	5.52	15.4	19
20	16.0 B	6.40B	8.64	9.15	44.9	3.13	4.17	4.44	3.37	8.71	5.35	11.8	20
21	13.0 B	6.30B	9.05	10.2	40.9	3.17	4.09	3.78	3.34	6.86	5.26	14.1	21
22	11.0 B	18.0 B	10.0	9.56	21.3	3.53	4.74	3.60	3.43	6.04	6.56	23.7	22
23	10.0 B	44.0 B	16.7	9.74	13.1	5.48	5.62	3.49	3.37	5.56	8.10	58.1	23
24	11.0 B	28.4	14.7	7.62	10.2	6.14	4.08	3.26	3.20	5.22	9.10	26.7	24
25	14.0 B	14.0 B	11.0	7.10	8.58	5.44	3.51	3.07	3.11	5.01	7.45	13.5 B	25
26	15.0 B	9.50B	9.91	6.99	7.64	4.61	3.15	3.00	3.26	4.82	6.71	10.0 B	26
27	13.0 B	9.00B	8.73	6.85	6.89	4.22	2.80	2.85	2.95	4.64	7.05	7.40B	27
28	11.2	8.00B	7.94	6.45	6.41	3.59	2.65	7.82	2.91	4.65	7.32	10.0 B	28
29	10.8		7.49	6.06	6.29	5.00	2.46	4.98	2.89	4.43	7.57	15.0 B	29
30	9.00B		7.89	5.76	5.76	5.34	3.37	4.13	7.26	4.24	6.69	146	30
31	8.02		8.77		5.34		3.97	3.36		4.13		53.4	31
TOTAL	314.52	339.79	579.82	290.13	347.89	138.09	108.68	134.74	99.66	238.94	230.33	645.93	TOTAL
MEAN	10.1	12.1	18.7	9.67	11.2	4.60	3.51	4.35	3.32	7.71	7.68	20.8	MEAN
MAX	36.0	44.0	100	17.3	44.9	6.14	5.78	16.5	7.26	16.9	28.3	146	MAX
MIN	4.60	6.25	5.60	5.76	5.08	3.13	2.33	2.26	2.53	4.13	3.96	5.64	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.50
MAXIMUM DAILY, 146 ON DEC 30
MINIMUM DAILY, 2.26 ON AUG 10

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 32 34 N
LONG 079 39 26 W
DRAINAGE AREA, 795 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	27 200	JUL	9 390
FEB	29 400	AUG	11 600
MAR	50 100	SEP	8 610
APR	25 100	OCT	20 600
MAY	30 100	NOV	19 900
JUN	11 900	DEC	55 800

TOTAL DISCHARGE, 300 000 dam³

CREDIT RIVER AT NORVAL - STATION NO. 02HB025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.80B	6.00B	5.80B	7.67	5.15	4.72	4.26	3.03	2.72	5.56	3.86	5.62	1
2	3.70B	7.51	5.70B	8.87	4.87	4.47	3.76	2.69	2.56	4.57	3.97	5.32	2
3	3.60B	5.03B	5.50B	11.2	4.73	4.72	3.42	2.58	2.45	3.94	3.94	5.65	3
4	4.20B	4.98B	5.30B	10.2	4.67	5.09	3.10	2.48	2.40	4.21	3.97	11.1	4
5	5.00B	5.05B	5.20B	9.55A	7.07	4.93	2.99	2.71	2.47	4.79	7.06	9.14	5
6	4.86	5.27	5.10B	7.76A	7.34	4.60	2.85	2.84	2.70	4.47	15.1	8.64	6
7	4.24	5.29	5.00B	7.23	6.11	4.26	2.67	2.72	2.70	3.88	11.6	7.46	7
8	4.18	7.21	4.90B	6.72	5.62	4.58	2.75	2.53	2.66	3.77	8.28	6.90	8
9	4.04	12.6	4.80B	6.47	5.38	4.97	3.13	2.42	2.58	7.26	6.83	6.59	9
10	4.23	14.3	5.10B	7.41	5.58	4.68	2.78	2.35	2.55	11.2	6.34	7.32	10
11	4.18	9.58	15.5 B	10.9	5.85	4.35	2.67	3.02	2.53	9.34	6.06	6.90	11
12	4.06	7.78	58.0 B	9.32	5.51	4.08	2.66	3.07	2.47	8.83	5.87	6.39	12
13	3.50B	7.09	82.2	7.74	6.23	4.10	2.58	6.80	2.41	9.68	5.68	9.33	13
14	3.45B	7.80B	66.9	7.27	6.37	3.96	2.65	5.41	2.76	7.64	5.46	8.00	14
15	3.40B	5.40B	40.7	7.88	5.89	3.88	4.02	4.26	4.33	6.14	6.07	7.52	15
16	3.69	5.90B	26.4	7.76	8.55	3.67	4.16	3.52	3.70	5.18	6.06	6.78	16
17	7.67	5.80B	19.0	7.89	14.5	3.35	3.68	3.12	3.20	7.26	6.03	6.29	17
18	18.6	5.70B	14.7	7.48	13.7	3.37	3.37	3.04	2.85	8.79	5.61	8.22	18
19	12.3	5.60B	11.7	6.87	9.96	3.14	3.09	3.48	2.80	8.20	5.23	9.43	19
20	8.29	5.50B	9.80	6.77	18.5	2.96	3.75	3.39	2.99	6.81	5.08	7.65	20
21	7.13	5.40B	9.25	7.53	19.1	3.08	3.99	3.02	2.90	5.79	5.05	7.54	21
22	5.78	9.09	9.19	7.46	13.1	3.12	3.67	3.01	2.87	5.14	6.16	11.5	22
23	5.00B	23.0	12.4	6.97	9.59	4.66	4.21	2.87	2.76	4.79	7.55	18.9	23
24	6.50B	14.0 B	11.2	6.27	8.20	5.53	3.78	2.71	2.79	4.58	7.39	13.0	24
25	7.85	9.80B	9.03	6.07	7.37	4.98	3.25	2.62	2.80	4.52	6.69	9.55B	25
26	9.37	8.60B	8.22	6.11	6.68	4.12	2.92	2.55	2.69	4.28	6.14	8.53B	26
27	7.70	7.50B	7.43	5.89	6.13	3.68	2.78	2.53	2.65	4.24	6.25	8.09B	27
28	7.96	6.40B	7.02	5.55	5.80	3.36	2.62	4.93	2.62	4.12	7.00	7.57B	28
29	6.72		6.37	5.45	5.59	4.55	2.58	4.24	2.59	4.02	6.83	25.6	29
30	5.70B		6.84	5.23	5.53	4.94	2.86	3.44	5.52	3.95	6.08	40.2	30
31	5.50B		7.32		4.92		3.59	2.84		4.01		20.9	31
TOTAL	186.20	223.18	491.57	225.49	243.39	125.90	100.59	102.02	86.02	180.96	193.24	321.63	TOTAL
MEAN	6.01	7.97	15.9	7.52	7.85	4.20	3.24	3.29	2.87	5.84	6.44	10.4	MEAN
MAX	18.6	23.0	82.2	11.2	19.1	5.53	4.26	6.60	5.52	11.2	15.1	40.2	MAX
MIN	3.40	4.98	4.80	5.23	4.67	2.96	2.58	2.35	2.40	3.77	3.86	5.32	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.80
MAXIMUM DAILY, 82.2 ON MAR 13
MINIMUM DAILY, 2.35 ON AUG 10
MAXIMUM INSTANTANEOUS,
97.4 AT 15:12 EST ON MAR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 38 55 N
LONG 079 51 22 W
DRAINAGE AREA, 615 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	16 100	JUL	8 690
FEB	19 300	AUG	8 810
MAR	42 500	SEP	7 430
APR	19 500	OCT	15 600
MAY	21 000	NOV	16 700
JUN	10 900	DEC	27 800

TOTAL DISCHARGE, 214 000 dam³

CREDIT RIVER ERIN BRANCH ABOVE ERIN - STATION NO. 02HB020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.340B	0.370B	0.390B	0.604	0.389	0.317	0.369	0.249	0.268	0.557	0.410	0.419	1
2	0.302B	0.340B	0.400E	0.650	0.358	0.295	0.338	0.226	0.243	0.376	0.322	0.409	2
3	0.290B	0.330B	0.390E	0.681	0.377	0.326	0.305	0.219	0.226	0.299	0.299	0.641	3
4	0.430B	0.320B	0.380B	0.609	0.358	0.451	0.280	0.329	0.221	0.427	0.362	1.25	4
5	0.540B	0.310B	0.370B	0.526	0.657	0.383	0.253	0.363	0.233	0.549	0.588	0.764	5
6	0.440B	0.300B	0.360B	0.478	0.537	0.348	0.229	0.297	0.255	0.475	1.40	0.512	6
7	0.340B	0.290B	0.350B	0.482	0.463	0.316	0.240	0.274	0.256	0.337	0.695	0.492	7
8	0.320B	0.310B	0.340B	0.493	0.409	0.331	0.249	0.244	0.229	0.329	0.521	0.435	8
9	0.300B	0.600B	0.335B	0.521	0.377	0.366	0.271	0.233	0.229	1.53	0.461	0.459	9
10	0.340B	0.810B	0.330B	0.614	0.439	0.346	0.242	0.226	0.233	1.30	0.468	0.504	10
11	0.290B	0.500B	0.700B	0.741	0.450	0.329	0.230	0.262	0.263	0.784	0.433	0.454	11
12	0.270B	0.440B	5.15	0.580	0.392	0.323	0.230	0.458	0.255	0.739	0.502	0.443	12
13	0.250B	0.420B	5.52	0.518	0.455	0.316	0.240	0.588	0.219	0.714	0.439	0.604	13
14	0.244B	0.460B	2.92	0.528	0.512	0.302	0.249	0.473	0.340	0.506	0.428	0.809	14
15	0.242B	0.400B	1.56	0.638	0.370	0.288	0.467	0.335	0.539	0.393	0.496	0.450	15
16	0.238B	0.440B	1.14	0.647	0.536	0.267	0.384	0.286	0.436	0.412	0.529	0.449	16
17	0.400B	0.410B	0.948	0.604	0.847	0.277	0.317	0.250	0.301	0.608	0.504	0.441	17
18	1.60 B	0.380B	0.776	0.528	0.672	0.313	0.326	0.257	0.281	0.716	0.438	0.550	18
19	0.900B	0.350B	0.674	0.495	0.559	0.291	0.319	0.321	0.304	0.607	0.409	0.553	19
20	0.500B	0.340B	0.621	0.549	0.906	0.274	0.338	0.300	0.298	0.548	0.401	0.486	20
21	0.410B	0.330B	0.594	0.673	0.757	0.281	0.278	0.355	0.279	0.407	0.403	0.490	21
22	0.370B	0.500B	0.713	0.560	0.553	0.296	0.290	0.276	0.274	0.356	0.648	0.778	22
23	0.340B	1.10 B	0.998	0.514	0.476	0.529	0.364	0.272	0.280	0.367	0.587	0.907	23
24	0.350B	0.650B	0.674	0.476	0.429	0.620	0.297	0.254	0.330	0.451	0.557	0.652B	24
25	0.400B	0.500B	0.590	0.495	0.397	0.435	0.292	0.230	0.286	0.360	0.565	0.600B	25
26	0.480B	0.450B	0.549	0.485	0.357	0.332	0.271	0.220	0.269	0.369	0.456	0.588B	26
27	0.400B	0.410B	0.515	0.426	0.341	0.303	0.251	0.218	0.246	0.356	0.549	0.588B	27
28	0.460B	0.370B	0.505	0.454	0.389	0.277	0.241	0.463	0.238	0.311	0.589	0.580B	28
29	0.400B		0.493	0.420	0.355	0.457	0.240	0.339	0.300	0.328	0.502	1.81	29
30	0.350B		0.519	0.433	0.333	0.438	0.306	0.305	0.651	0.408	0.436	2.16	30
31	0.310B		0.566		0.321		0.323	0.351		0.353		1.02 B	31
TOTAL	12.846	12.440	30.370	16.422	14.771	10.427	9.029	9.473	8.782	16.272	15.397	21.297	TOTAL
MEAN	0.414	0.444	0.980	0.547	0.477	0.348	0.291	0.306	0.293	0.525	0.513	0.687	MEAN
MAX	1.60	1.10	5.52	0.741	0.906	0.620	0.467	0.588	0.651	1.53	1.40	2.16	MAX
MIN	0.238	0.290	0.330	0.420	0.321	0.267	0.229	0.218	0.219	0.299	0.299	0.409	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.486
MAXIMUM DAILY, 5.52 ON MAR 13
MINIMUM DAILY, 0.218 ON AUG 27
MAXIMUM INSTANTANEOUS,
6.28 AT 19:15 EST ON MAR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 46 20 N
LONG 080 05 35 W
DRAINAGE AREA, 32.3 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 110	JUL	730
FEB	1 070	AUG	818
MAR	2 620	SEP	759
APR	1 420	OCT	1 410
MAY	1 280	NOV	1 330
JUN	901	DEC	1 840

TOTAL DISCHARGE, 15 300 dam³

CREDIT RIVER NEAR CATARACT - STATION NO. 02HB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.12	1.34	1.41	2.15	1.47	1.29	1.25	0.957	0.934	2.03	1.12	1.57	1
2	1.07	1.52	1.41	2.37	1.42	1.15	1.12	0.854	0.894	1.64	1.14	1.48	2
3	1.05	1.21	1.34B	2.98	1.34	1.21	1.04	0.839	0.860	1.43	1.24	1.39	3
4	1.16	1.29	1.30B	2.81	1.34	1.44	0.980	0.834	0.843	1.48	1.28	2.12	4
5	1.54	1.29B	1.28B	2.68	2.10	1.32	0.939	0.889	1.01	1.77	1.58	1.89	5
6	1.36	1.24	1.26B	2.23	2.10	1.21	0.886	0.940	1.02	1.61	3.83	1.84	6
7	1.15	1.19	1.24B	2.01	1.70	1.14	0.863	0.921	1.07	1.39	2.74	1.65	7
8	1.10	1.27	1.22B	1.86	1.61	1.19	0.867	0.887	1.01	1.29	2.15	1.59	8
9	1.09	3.16	1.20	1.80	1.51	1.44	0.924	0.850	0.990	1.08	1.90	1.55	9
10	1.11	3.45	1.29	2.09	1.61	1.30	0.870	0.848	0.966	4.42	1.79	1.61	10
11	1.08	2.26	3.05	2.84	1.70	1.34	0.813	0.897	0.972	3.30	1.72	1.52	11
12	1.03B	1.83	22.4	2.49	1.55	1.19	0.854	1.14	0.941	2.73	1.66	1.49	12
13	1.04B	1.70	29.7	2.12	1.63	1.22	0.799	1.41	0.916	2.90	1.57	2.00	13
14	1.07	1.95	20.4	2.03	1.63	1.20	0.833	1.37	0.976	2.24	1.51	1.78	14
15	1.01	1.37	11.9	2.28	1.51	1.26	1.21	1.13	1.28	1.78	1.65	1.66	15
16	1.01	1.69	7.40	2.23	1.78	1.13	1.22	1.03	1.22	1.89	1.76	1.58	16
17	1.92	1.48B	5.30	2.35	2.92	1.08	1.06	0.967	1.07	2.07	1.73	1.49	17
18	5.22	1.37B	3.99	2.33	3.08	1.05	1.04	0.931	1.03	2.37	1.55	1.72	18
19	2.66	1.34	3.13	2.06	2.40	1.01	0.993	1.00	1.03	2.26	1.49	1.91	19
20	2.31	1.21	2.84	1.97	3.29	0.902	1.51	0.964	1.14	1.80	1.44	1.59	20
21	1.80	1.22	2.59	2.19	4.36	0.923	1.40	0.956	1.07	1.56	1.42	1.56	21
22	1.58	1.69	2.61	2.13	3.05	0.955	1.20	0.937	1.07	1.54	1.89	2.22	22
23	1.42	3.93	3.71	1.90	2.45	1.39	1.32	0.942	1.07	1.39	2.12	2.77	23
24	1.46	2.78B	3.03	1.72	2.16	1.73	1.21	0.916	1.06	1.31	2.01	2.10B	24
25	1.58	1.78B	2.61	1.73	1.92	1.45	1.08	0.929	1.03	1.25	1.80	1.86B	25
26	2.04	1.90B	2.39	1.81	1.74	1.20	0.978	0.876	1.03	1.22	1.66	1.99B	26
27	1.70	1.67	2.14	1.74	1.60	1.10	0.939	0.867	1.01	1.18	1.73	1.88	27
28	1.81	1.48	2.03	1.66	1.50	1.08	0.899	1.44	0.964	1.14	2.05	1.57	28
29	1.65		1.93	1.60	1.44	1.33	0.854	1.40	1.02	1.14	1.92	3.37	29
30	1.48		1.84	1.54	1.42	1.49	0.912	1.10	1.92	1.12	1.70	9.12	30
31	1.37		2.05		1.35		1.04	0.986		1.12		4.78B	31
TOTAL	47.59	49.61	149.99	63.70	60.68	36.720	31.903	31.007	31.438	57.45	53.15	66.65	TOTAL
MEAN	1.54	1.77	4.84	2.12	1.96	1.22	1.03	1.00	1.05	1.85	1.77	2.15	MEAN
MAX	5.22	3.93	29.7	2.98	4.36	1.73	1.51	1.44	1.92	4.42	3.83	9.12	MAX
MIN	1.01	1.19	1.20	1.54	1.34	0.902	0.799	0.834	0.843	1.12	1.12	1.39	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.86
MAXIMUM DAILY, 29.7 ON MAR 13
MINIMUM DAILY, 0.799 ON JUL 13
MAXIMUM INSTANTANEOUS,
31.8 AT 06:50 EST ON MAR 13

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 50 08 N
LONG 080 01 21 W
DRAINAGE AREA, 205 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	4 110	JUL	2 760
FEB	4 290	AUG	2 680
MAR	13 000	SEP	2 720
APR	5 500	OCT	4 960
MAY	5 240	NOV	4 590
JUN	3 170	DEC	5 760

TOTAL DISCHARGE, 58 800 dam³

CREDIT RIVER NEAR ORANGEVILLE - STATION NO. 02HB013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.440B	0.424	0.402	0.641	0.421	0.358	0.297	0.227	0.228	0.628	0.268	0.524	1
2	0.345B	0.538B	0.427	0.754	0.409	0.308	0.244	0.187	0.217	0.369	0.341	0.481	2
3	0.361	0.360B	0.360B	0.995	0.386	0.306	0.222	0.199	0.214	0.305	0.459	1.03	3
4	0.464	0.358B	0.370B	0.960	0.383	0.390	0.219	0.199	0.219	0.341	0.462	0.935	4
5	0.655	0.348B	0.407	0.871	0.757	0.339	0.188	0.216	0.275	0.441	0.690	0.661	5
6	0.427	0.342	0.420	0.649	0.643	0.300	0.187	0.227	0.291	0.327	1.84	0.573	6
7	0.358	0.334	0.398	0.566	0.494	0.265	0.170	0.217	0.269	0.233	0.832	0.537	7
8	0.354	0.457	0.413	0.511	0.471	0.287	0.172	0.209	0.255	0.225	0.674	0.506	8
9	0.350	1.32	0.459	0.493	0.476	0.385	0.206	0.203	0.242	0.990	0.608	0.494	9
10	0.348	0.955	0.516	0.610	0.464	0.315	0.180	0.220	0.225	1.34	0.600	0.528	10
11	0.339	0.502	1.67	0.935	0.482	0.300	0.167	0.242	0.229	0.678	0.587	0.503	11
12	0.376B	0.430	10.3	0.719	0.433	0.268	0.171	0.296	0.217	0.522	0.550	0.494	12
13	0.310B	0.446	8.68	0.577	0.476	0.304	0.194	0.416	0.207	0.650	0.547	0.849	13
14	0.309	0.553	4.81	0.534	0.476	0.300	0.213	0.436	0.222	0.487	0.534	0.658	14
15	0.307	0.344	3.02	0.586	0.405	0.342	0.357	0.315	0.364	0.387	0.564	0.527	15
16	0.313	0.453	1.98	0.571	0.509	0.261	0.382	0.288	0.314	0.724	0.594	0.505	16
17	0.639	0.407	1.54	0.691	1.01	0.239	0.281	0.263	0.226	0.629	0.601	0.490	17
18	2.51	0.378	1.22	0.720	0.924	0.220	0.280	0.243	0.218	0.693	0.537	0.627	18
19	0.702	0.381	1.01	0.540	0.637	0.211	0.248	0.253	0.237	0.602	0.512	0.665	19
20	0.531	0.342	0.894	0.512	1.16	0.202	0.472	0.275	0.279	0.400	0.511	0.539	20
21	0.445	0.350	0.777	0.586	1.46	0.206	0.386	0.271	0.262	0.363	0.509	0.540	21
22	0.417	0.612	0.792	0.560	0.901	0.237	0.269	0.261	0.242	0.341	0.768	0.915	22
23	0.379	1.48	1.24	0.358	0.723	0.419	0.319	0.249	0.253	0.324	0.756	0.959	23
24	0.431	0.705B	0.956	0.262	0.619	0.505	0.281	0.232	0.272	0.317	0.696	0.733	24
25	0.528	0.525B	0.799	0.468	0.514	0.353	0.242	0.230	0.234	0.302	0.606	0.549	25
26	0.775	0.494	0.704	0.452	0.456	0.268	0.209	0.235	0.250	0.289	0.569	0.538	26
27	0.494	0.438	0.630	0.425	0.421	0.223	0.183	0.248	0.265	0.290	0.654	0.529	27
28	0.636	0.415	0.566	0.455	0.404	0.215	0.174	0.638	0.240	0.303	0.763	0.511	28
29	0.486		0.538	0.425	0.391	0.362	0.169	0.469	0.255	0.272	0.660	1.49	29
30	0.422		0.566	0.423	0.405	0.430	0.186	0.319	0.760	0.271	0.568	2.43	30
31	0.387		0.627		0.423		0.300	0.257		0.257		0.944	31
TOTAL	15.738	14.691	47.491	17.849	18.093	9.118	7.568	8.540	7.981	14.300	18.860	22.264	TOTAL
MEAN	0.508	0.525	1.53	0.595	0.584	0.304	0.244	0.276	0.266	0.461	0.629	0.718	MEAN
MAX	2.51	1.48	10.3	0.995	1.46	0.505	0.472	0.638	0.760	1.34	1.84	2.43	MAX
MIN	0.276	0.334	0.360	0.262	0.383	0.202	0.167	0.187	0.207	0.225	0.268	0.481	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.555
MAXIMUM DAILY, 10.3 ON MAR 12
MINIMUM DAILY, 0.167 ON JUL 11
MAXIMUM INSTANTANEOUS,
11.7 AT 16:49 EST ON MAR 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 53 29 N
LONG 080 03 47 W
DRAINAGE AREA, 62.2 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 360	JUL	654
FEB	1 270	AUG	738
MAR	4 100	SEP	690
APR	1 540	OCT	1 240
MAY	1 560	NOV	1 630
JUN	788	DEC	1 920

TOTAL DISCHARGE, 17 500 dam³

CREDIT RIVER WEST BRANCH AT NORVAL - STATION NO. 02HB008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.402	1.36	1.42	1.63	0.746	0.808	0.570	0.396	0.417	0.573	0.612	0.968	1
2	0.410	1.27	1.48	2.13	0.720	0.738	0.527	0.368	0.396	0.500	0.610	0.887	2
3	0.427	0.850	1.31	2.36	0.726	0.896	0.476	0.362	0.380	0.477	0.591	1.23	3
4	0.865	0.903	1.12	2.26	0.719	0.822	0.449	0.333	0.365	0.733	0.566	2.52	4
5	0.662	0.946	1.04	1.87	1.35	0.783	0.464	0.443	0.389	0.605	2.07	1.90	5
6	0.532	0.957	0.928B	1.54	1.15	0.748	0.456	0.381	0.386	0.564	3.26	2.05	6
7	0.504	0.953	0.902	1.37	0.975	0.683	0.414	0.377	0.388	0.557	2.83	1.78	7
8	0.522	1.35	0.887	1.28	0.869	0.825	0.448	0.351	0.347	0.653	1.82	1.58	8
9	0.534	2.68	0.842	1.19	0.845	0.809	0.551	0.337	0.378	1.35	1.39	1.40	9
10	0.664	3.13	1.01	1.71	0.964	0.736	0.429	0.330	0.370	1.28	1.23	1.49	10
11	0.621	2.24	3.82	2.29	0.869	0.680	0.413	0.710	0.369	1.33	1.13	1.39	11
12	0.573	1.71	10.7	2.01	0.835	0.641	0.415	1.89	0.361	1.90	1.05	1.33	12
13	0.466	1.57	11.0 A	1.60	1.16	0.657	0.396	2.27	0.339	1.97	0.945	2.00	13
14	0.528	1.72	10.9 A	1.53	1.08	0.626	0.414	1.36	0.550	1.61	0.925	1.64	14
15	0.546	1.08	8.19	1.57	0.976	0.622	0.840	0.880	0.537	1.16	0.992	1.64	15
16	0.541	1.30	5.52	1.51	2.25	0.567	0.533	0.739	0.428	0.876	1.06	1.40	16
17	2.13	1.19	4.15	1.53	3.99	0.526	0.547	0.651	0.423	1.45	1.02	1.26	17
18	3.64	1.01 B	3.07	1.33	3.23	0.514	0.527	0.603	0.406	1.83	0.881	1.97	18
19	2.09	1.07	2.44	1.27	2.18	0.460	0.451	0.633	0.428	1.58	0.821	2.32	19
20	1.66	0.929	2.07	1.31	3.80 E	0.441	0.589	0.577	0.416	1.33	0.807	1.81	20
21	1.31	0.904	1.88	1.51	4.60	0.469	0.479	0.480	0.400	1.06	0.770	1.86	21
22	1.04	2.96	2.07	1.43	3.20	0.527	0.589	0.497	0.393	0.870	1.09	2.86	22
23	0.923	5.72	2.65	1.26	2.15	0.884	0.689	0.481	0.391	0.806	1.31	6.32	23
24	1.58	3.27	2.41	1.15	1.66	0.767	0.531	0.442	0.385	0.767	1.38	3.99	24
25	1.46	2.20 B	1.88	1.06	1.38	0.698	0.439	0.437	0.396	0.728	1.21	2.18 B	25
26	1.45	1.97 B	1.67	1.06	1.27	0.627	0.410	0.395	0.384	0.689	1.10	1.58 B	26
27	1.24	1.95	1.45	0.947	1.08	0.540	0.393	0.505	0.372	0.705	1.20	1.01 B	27
28	1.42	1.56	1.40 E	0.844	1.03	0.486	0.358	1.24	0.399	0.648	1.30	1.20	28
29	1.29		1.38 E	0.806	1.12	0.860	0.358	0.645	0.397	0.650	1.28	1.49	29
30	1.24		1.36 E	0.753	1.01	0.682	0.538	0.540	0.990	0.620	1.11	13.1	30
31	1.07		1.50		0.866		0.521	0.467		0.613		7.04	31
TOTAL	32.340	48.752	92.449	44.080	48.800	20.122	15.214	20.120	12.580	30.484	36.360	80.195	TOTA
MEAN	1.04	1.74	2.98	1.47	1.57	0.671	0.491	0.649	0.419	0.983	1.21	2.59	MEAN
MAX	3.64	5.72	11.0	2.36	4.60	0.896	0.840	2.27	0.990	1.97	3.26	13.1	MAX
MIN	0.402	0.850	0.842	0.753	0.719	0.441	0.358	0.330	0.339	0.477	0.566	0.887	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.32
MAXIMUM DAILY, 13.1 ON DEC 30
MINIMUM DAILY, 0.330 ON AUG 10

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 38 47 N
LONG 079 51 57 W
DRAINAGE AREA, 127 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 790	JUL	1 310
FEB	4 210	AUG	1 740
MAR	7 990	SEP	1 090
APR	3 810	OCT	2 630
MAY	4 220	NOV	3 140
JUN	1 740	DEC	6 930

TOTAL DISCHARGE, 41 600 dam³

CROWE RIVER AT MARMORA - STATION NO. 02HK003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	13.2	24.3E	21.4	56.5	80.2	30.4	8.70	10.1	1.63	1.30	23.5	26.9	1
2	12.9	23.0E	20.8	51.8	77.4	24.5	9.10	5.94	1.54	1.28	22.5	27.3	2
3	12.5	22.3E	19.9	50.9	74.3	21.4	9.37	4.12	1.49	1.24	22.5	27.5	3
4	12.3	21.9E	19.5	57.4	68.3	18.1	9.43	3.85	1.47	1.37	20.4	30.7	4
5	12.2	20.9E	18.8	67.5	63.6	10.9	9.14	6.01	1.47	1.31	19.0	32.6	5
6	12.4 B	19.8E	18.0	76.7	58.2	6.30	8.32	5.89	1.45	1.33	19.6	34.4	6
7	12.6	19.9	17.3	82.1	52.6	5.58	7.41	5.80	1.41	1.29	17.6	35.3	7
8	12.5	18.8	16.5	83.8	53.0	8.36	7.41	5.79	1.29	1.20	16.5	35.6	8
9	12.3	18.6	15.7	83.9	52.5	11.3	8.67	5.85	1.30	1.29	16.6	35.7	9
10	12.2	19.0	15.2	85.6	52.2	16.2	9.01	4.09	1.35	1.31	17.2	35.5	10
11	12.3	19.1	14.8	87.7	51.5	19.5	7.36	1.83	1.32	1.45	18.0	34.7	11
12	12.2 B	19.1	17.3	86.2	48.5	21.1	5.95	1.71	1.32	2.68	18.3	36.2	12
13	12.1 B	19.1	21.4	84.0	45.9	21.2	5.72	1.98	1.31	4.74	18.2	37.7	13
14	12.0 B	19.4	20.0	82.6	43.8	19.9	5.68	1.87	1.34	5.28	17.9	35.6	14
15	11.9 B	19.6	36.4	82.6	39.1	19.2	4.80	1.97	1.30	10.6	17.9	34.0	15
16	11.9 B	20.1	50.9	81.2	36.1	18.0	4.92	1.99	1.21	20.0	18.0	32.9	16
17	12.2	20.2	69.4	80.9	41.8	17.0	5.73	3.16	1.13	24.0	17.9	30.7	17
18	13.6	19.6	76.7	79.3	47.5	12.4	6.06	4.37	1.08	24.5	17.9	29.9	18
19	14.7	19.4	81.4	77.9	45.9	9.32	4.15	4.23	1.11	24.9	17.9	29.9	19
20	12.0	17.5	83.3	76.6	43.4	9.38	3.92	4.23	1.12	24.2	17.9	29.3	20
21	9.12	16.5	82.0	76.2	43.0	9.92	3.88	4.27	1.17	24.1	18.0	29.1	21
22	19.0	17.2	80.3	75.4	44.9	10.6	4.13	3.00	1.28	28.3	18.7	30.1	22
23	22.9	19.3	80.8	74.4	46.9	10.7	5.76	1.84	1.26	32.8	19.5	33.8	23
24	23.4 E	20.6	80.4	72.4	48.0	10.5	7.76	1.77	1.27	31.0	20.3	37.8	24
25	23.2 E	21.5	81.9	72.4	48.4	10.3	10.0	1.81	1.28	31.0	20.9	41.8	25
26	26.1 E	22.5	82.1	74.5	47.8	10.3	10.1	1.83	1.27	29.5	20.7	45.7	26
27	24.1 E	25.8	80.5	77.9	46.7	8.73	7.08	1.79	1.28	26.8	21.4	47.7	27
28	25.1 E	22.2	75.9	80.7	43.1	7.51	3.87	1.87	1.28	26.4	22.6	48.3	28
29	24.8 E		71.0	81.2	39.2	7.84	4.16	1.67	1.27	26.3	23.5	51.9	29
30	24.6 E		66.6	81.3	36.8	8.23	7.61	1.62	1.38	26.8	25.2	58.8	30
31	24.4 E		59.3		34.1		10.1	1.59		24.9		64.6	31
TOTAL	496.92	563.8	1 503.5	2 281.6	1 554.7	414.67	215.30	109.84	39.38	463.17	585.1	1 142.0	TOT
MEAN	16.0	20.1	48.5	76.1	50.2	13.8	6.95	3.54	1.31	14.9	19.5	36.8	MEA
MAX	26.1	24.3	83.3	87.7	80.2	30.4	10.1	10.1	1.63	32.8	25.2	64.6	MAX
MIN	9.12	16.5	14.8	50.9	34.1	5.58	3.87	1.59	1.08	1.20	16.5	26.9	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 25.7
MAXIMUM DAILY, 87.7 ON APR 11
MINIMUM DAILY, 1.08 ON SEP 18
MAXIMUM INSTANTANEOUS, 88.2 AT 04:25 EST ON APR 11

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 28 54 N
LONG 077 41 08 W
DRAINAGE AREA, 1 990 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	42 900	JUL	18 600
FEB	48 700	AUG	9 490
MAR	130 000	SEP	3 400
APR	197 000	OCT	40 000
MAY	134 000	NOV	50 600
JUN	35 800	DEC	98 700

TOTAL DISCHARGE, 809 000 dam³

CROWE RIVER NEAR GLEN ALDA - STATION NO. 02HK005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.90	4.95	4.94	14.2	20.2 A	8.25	3.27	1.61	0.339	0.503	3.52	8.87	1
2	3.93	4.91	4.95	14.3	19.0 A	7.64	3.17	1.41	0.317	0.571	3.34	9.91	2
3	3.87	4.85	4.92	16.9	17.8 A	6.99	3.07	1.39	0.313	0.578	3.05	9.74	3
4	3.89	4.29	4.68	19.2	16.8 A	6.74	2.98	1.24	0.297	0.584	2.88	10.3	4
5	4.11	4.34	4.65	20.5	16.0 A	6.30	2.85	1.12	0.411	0.612	2.86	10.5	5
6	4.14	4.62	4.74	21.0	15.4 A	5.82	2.61	1.09	0.434	0.681	4.74	10.3 B	6
7	4.05	4.67	4.78	21.2	15.4 A	5.43	2.63	1.08	0.409	1.03	4.68	10.2 B	7
8	4.02	4.56	4.83	20.4	15.2 A	4.96	2.55	1.03	0.342	1.31	4.29	10.1 B	8
9	4.00	4.59	4.88	19.5	14.8 A	4.80	2.68	0.957	0.330	1.81	4.13	9.97B	9
10	4.01B	4.77	4.88	19.7	14.6	4.95	2.63	0.843	0.324	2.83	3.77	9.88B	10
11	3.87B	4.72	4.87	20.1	14.7	4.82	2.54	0.834	0.320	3.72	3.64	9.76B	11
12	3.75B	4.43B	5.17	20.0	14.2	4.55	2.42	0.868	0.349	4.33	3.60	9.66B	12
13	3.67B	4.51	5.55	19.2	13.5	4.24	2.26	1.42	0.333	5.22	3.24B	9.57B	13
14	3.51	4.66	6.01	18.7	12.9	4.16	2.15	1.42	0.332	5.17	3.52B	9.45B	14
15	3.58	4.64	6.99	19.3	12.4	4.37	2.62	1.20	0.412	4.93	3.47	9.32B	15
16	3.75	4.43B	8.74	19.7	11.3	4.33	3.75	0.898	0.414	4.65	3.57	9.20B	16
17	3.96	4.43B	11.1	20.2	11.6	4.20	4.49	0.665	0.400	4.37	3.78	8.63B	17
18	4.50B	4.41B	12.7	20.3	13.1	4.22	5.00	0.614	0.360	4.58	3.83	8.09B	18
19	4.27B	4.41B	12.6	19.7	14.5	4.10	4.81	0.695	0.311	4.91	3.68	7.54B	19
20	4.08	4.39B	14.5	19.3	14.6	3.98	4.89	0.563	0.295	4.79	4.02	6.98	20
21	4.05	4.39B	14.9	19.2	14.9	4.01	4.86	0.497	0.305	4.55	4.62	7.58	21
22	3.80	4.51B	16.4	19.2	15.0	4.03	4.86	0.442	0.377	4.49	4.88	9.15	22
23	3.88	5.08	20.2	18.9	14.9	4.04	5.19	0.427	0.389	4.73	5.19	9.56	23
24	4.22	5.15	21.5	18.6	14.6	4.11	5.06	0.419	0.387	5.06	5.39	9.48	24
25	4.52	4.91	23.3	21.3	14.3	3.97	4.88	0.415	0.356	4.95	5.49	8.33B	25
26	4.82	4.68	23.3	24.4	13.9	3.78	4.70	0.414	0.349	4.76	5.49	8.07B	26
27	4.83	4.95	21.3	24.4A	13.4	3.70	4.50	0.395	0.326	4.36	5.85	7.98B	27
28	4.93	4.94	20.2	24.0A	12.6	3.47	3.95	0.414	0.289	4.07	7.08	8.12	28
29	4.87		18.7	22.6A	11.4	3.30	2.78	0.399	0.267	4.19	8.36	9.91	29
30	4.91		16.9	21.3A	10.3	3.25	2.33	0.406	0.514	4.03	8.59	13.1	30
31	4.94		14.7		8.95		1.94	0.368		3.79		12.2 B	31
TOTAL	128.71	129.69	347.88	597.3	442.25	142.51	108.42	25.563	10.701	106.159	134.55	291.45	TOTAL
MEAN	4.15	4.63	11.2	19.9	14.3	4.75	3.50	0.825	0.357	3.42	4.49	9.40	MEAN
MAX	4.94	5.15	23.3	24.4	20.2	8.25	5.19	1.61	0.514	5.22	8.59	13.1	MAX
MIN	3.51	4.29	4.65	14.2	8.95	3.25	1.94	0.368	0.267	0.503	2.86	6.98	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.75
MAXIMUM DAILY, 24.4 ON APR 26
MINIMUM DAILY, 0.267 ON SEP 29
MAXIMUM INSTANTANEOUS, 25.6 AT 18:33 EST ON MAR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 50 40 N
LONG 077 55 52 W
DRAINAGE AREA, 456 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	11 100	JUL	9 370
FEB	11 200	AUG	2 210
MAR	30 100	SEP	925
APR	51 600	OCT	9 170
MAY	38 200	NOV	11 600
JUN	12 300	DEC	25 200

TOTAL DISCHARGE, 213 000 dam³

CURRENT RIVER AT STEPSTONE - STATION NO. 02AB021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.422B	0.296B	0.181B	1.19B	24.2	3.07	4.97	1.84	0.648	0.793	4.87	1.99B	1
2	0.420B	0.294B	0.179B	1.23B	19.9	3.10	4.45	1.82	0.647	0.795	4.93	1.90B	2
3	0.419B	0.288B	0.176B	1.25B	16.4	3.58	4.05	1.80	0.640	1.28	5.13	1.82B	3
4	0.415B	0.282B	0.173B	1.29B	13.8	3.66	3.71	1.73	0.637	1.80	5.22	1.72B	4
5	0.410B	0.276B	0.171B	1.33B	11.8	3.76	3.41	1.62	0.619	1.97	5.12	1.71B	5
6	0.406B	0.270B	0.169B	1.38B	10.0	3.93	3.08	1.52	0.595	1.96	4.84	1.68B	6
7	0.402B	0.264B	0.168B	1.44B	9.00	3.85	2.96	1.38	0.551	1.91	4.53	1.64B	7
8	0.398B	0.260B	0.167B	1.49B	9.27	3.78	3.66	1.24	0.500	1.99	4.23	1.62B	8
9	0.395B	0.256B	0.165B	1.54B	9.78	3.71	4.13	1.15	0.457	2.01	3.99	1.59B	9
10	0.392B	0.252B	0.163B	1.61B	9.57	3.57	4.27	1.11	0.421	2.05	3.74	1.56B	10
11	0.388B	0.248B	0.162B	1.67B	8.77	3.36	4.00	1.05	0.386	2.06	3.47	1.54B	11
12	0.384B	0.244B	0.161B	1.74B	8.06	5.94	3.57	0.990	0.344	2.17	3.38	1.53B	12
13	0.380B	0.238B	0.160B	1.83B	7.33	13.5	3.19	0.926	0.343	2.17	3.04	1.51B	13
14	0.377B	0.232B	0.180B	1.92B	6.92	13.5	2.86	0.896	0.410	2.19	2.88	1.49B	14
15	0.374B	0.226B	0.200B	2.01B	6.66	10.7	2.63	0.829	0.418	2.23	2.80	1.48B	15
16	0.370B	0.222B	0.230B	2.12B	7.42	8.48	2.40	0.773	0.451	2.23	2.69	1.47B	16
17	0.365B	0.218B	0.265B	2.11	10.8	8.62	2.31	0.785	0.453	2.33	2.61	1.46B	17
18	0.360B	0.214B	0.300B	2.20	12.1	12.4	2.34	0.750	0.456	2.64	2.52	1.45B	18
19	0.356B	0.210B	0.336B	2.52	11.2	13.1	2.17	0.710	0.465	2.75	2.43	1.44B	19
20	0.352B	0.206B	0.380B	3.63	9.93	11.9	2.06	0.685	0.465	2.97	2.34	1.43B	20
21	0.346B	0.203B	0.425B	6.07	8.79	10.3	2.01	0.643	0.529	3.53	2.63	1.41B	21
22	0.342B	0.200B	0.480B	9.81	7.77	9.09	1.93	0.603	0.573	4.19	2.79	1.40B	22
23	0.338B	0.197B	0.540B	14.2	6.98	7.81	2.03	0.561	0.607	4.70	2.83	1.39B	23
24	0.333B	0.194B	0.605B	17.2	6.25	6.54	2.09	0.546	0.648	5.10	2.83	1.38B	24
25	0.328B	0.192B	0.675B	18.8	5.66	5.63	2.01	0.633	0.666	5.21	2.81	1.37B	25
26	0.324B	0.189B	0.755B	20.0	5.22	5.77	2.00	0.633	0.684	5.12	2.65B	1.36B	26
27	0.318B	0.186B	0.850B	20.2	4.80	5.77	1.94	0.584	0.731	5.17	2.50B	1.36B	27
28	0.314B	0.183B	0.940B	24.6	4.48	5.41	1.94	0.580	0.749	5.23	2.32B	1.35B	28
29	0.310B		1.08 B	28.0	4.05	5.30	1.93	0.595	0.755	5.22	2.18B	1.35B	29
30	0.306B		1.11 B	27.2	3.62	5.47	1.90	0.610	0.741	5.17	2.07B	1.34B	30
31	0.302B		1.15 B		3.27		1.86	0.631		4.98		1.33B	31
TOTAL	11.346	6.540	12.696	221.58	283.80	204.60	87.86	30.223	16.589	93.918	100.37	47.08	TOTAL
MEAN	0.366	0.234	0.410	7.39	9.15	6.82	2.83	0.975	0.553	3.03	3.35	1.52	MEAN
MAX	0.422	0.296	1.15	28.0	24.2	13.5	4.97	1.84	0.755	5.23	5.22	1.99	MAX
MIN	0.302	0.183	0.160	1.19	3.27	3.07	1.86	0.546	0.343	0.793	2.07	1.33	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.06
MAXIMUM DAILY, 28.0 ON APR 29
MINIMUM DAILY, 0.160B ON MAR 13
MAXIMUM INSTANTANEOUS, 28.5 AT 10:55 EST ON APR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 33 45 N
LONG 089 14 27 W
DRAINAGE AREA, 392 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	980	JUL	7 590
FEB	565	AUG	2 610
MAR	1 100	SEP	1 430
APR	19 100	OCT	8 110
MAY	24 500	NOV	8 670
JUN	17 700	DEC	4 070

TOTAL DISCHARGE, 96 400 dam³

DODD CREEK BELOW PAYNES MILLS - STATION NO. 02GC031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.300B	0.525B	0.990B	1.22	0.318	0.121	0.199	0.307	0.451	0.250	0.245	0.746	1
2	0.600B	1.50 B	1.40 B	2.12	0.270	0.102	0.099	0.163	0.239	0.255	0.299	0.600	2
3	1.10 B	1.37 B	1.03 B	3.26	0.163	0.531	0.062	0.107	0.129	0.159	0.262	1.25	3
4	2.49	1.00 B	0.800B	2.38	0.168	0.618	0.048	0.086	0.087	1.17	0.261	11.9	4
5	8.60 B	0.900B	0.600B	1.57	0.316	0.425	0.040	0.043	0.072	1.63	2.69	3.51	5
6	6.00 B	0.820B	0.520B	1.42	0.294	0.311	0.038	0.070	0.615	0.690	17.0	1.52	6
7	4.00 B	1.79 B	0.480B	1.18	0.284	0.267	0.030	0.074	12.7	0.477	4.00	1.23	7
8	2.80 B	5.60	0.668B	0.949	0.242	0.841	0.082	0.025	3.37	0.354	1.83	1.25	8
9	2.44	10.6	1.50 B	0.798	0.209	1.08	0.268	0.008	1.05	2.15	1.33	1.25	9
10	3.00 B	5.09	4.00 B	1.85	0.194	0.562	0.260	0.047	0.661	4.59	1.70	1.59	10
11	2.40 B	1.94	10.0 B	6.58	0.184	0.372	0.147	0.060	0.530	8.06	1.32	1.18	11
12	1.94 B	1.40	14.5	1.99	0.182	0.287	0.119	0.046	0.389	1.77	1.06	0.912	12
13	1.30 B	1.30	12.7	1.31	0.254	0.254	0.093	0.484	0.293	5.73	0.902	0.934	13
14	1.05 B	1.43	5.86	1.17	1.65	0.218	0.140	0.614	1.72	1.89	0.745	0.785	14
15	0.900B	1.17 B	3.21	1.36	0.805	0.193	0.646	0.264	6.02	1.14	0.611	0.641	15
16	0.949	0.800B	2.52	1.14	4.12	0.099	0.338	0.208	2.07	0.840	0.607	1.12	16
17	7.29	0.700B	2.55	1.07	7.14	0.077	0.198	0.132	1.37	0.653	0.644	1.16	17
18	23.9 B	0.610B	1.85	1.02	3.23	0.068	0.150	0.096	0.737	5.09	0.571	2.99	18
19	8.08	0.565B	1.60	0.847	1.40	0.129	0.131	0.101	0.604	3.68	0.511	4.97	19
20	3.01	0.535B	1.59	0.822	1.30	0.129	0.134	0.113	0.723	1.34	0.467	1.78	20
21	1.64	0.600B	1.40	2.46	2.03	0.126	0.152	0.111	0.575	0.942	0.429	1.44	21
22	1.05 B	11.0 B	1.33	1.53	1.16	0.132	0.145	0.100	0.634	0.783	1.53	6.50	22
23	0.900B	28.2	1.82	1.05	0.795	0.355	0.141	0.103	0.546	0.676	2.57	7.10	23
24	1.85	9.05	1.37	0.775	0.545	1.52	0.126	0.091	0.395	0.646	1.28	3.30 B	24
25	3.85	3.00 B	1.11	0.623	0.456	0.694	0.106	0.082	0.384	0.625	0.907	1.42 B	25
26	4.94	1.80 B	0.981	0.679	0.439	0.361	0.041	0.079	0.358	0.350	0.746	1.07 B	26
27	1.74	1.25 B	0.904	0.590	0.370	0.240	0.023	0.075	0.345	0.309	1.36	0.778B	27
28	2.13	1.09 B	0.808	0.407	0.243	0.195	0.064	0.626	0.283	0.280	2.62	0.603	28
29	1.27 B		0.774	0.350	0.223	0.211	0.080	13.2	0.193	0.262	2.01	13.6	29
30	0.767B		0.977	0.362	0.262	0.203	0.088	1.73	0.152	0.303	1.02	26.2	30
31	0.620B		1.28		0.209		0.236	0.927		0.249		7.46	31
TOTAL	102.906	95.635	81.092	42.882	30.511	10.721	4.424	20.172	37.695	49.343	51.527	110.769	TOTAL
MEAN	3.32	3.42	2.62	1.43	0.984	0.357	0.143	0.651	1.26	1.59	1.72	3.57	MEAN
MAX	23.9	28.2	14.5	6.58	7.14	1.52	0.646	13.2	12.7	8.06	17.0	26.2	MAX
MIN	0.300	0.525	0.480	0.350	0.163	0.068	0.023	0.008	0.072	0.159	0.245	0.600	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.75
MAXIMUM DAILY, 28.2 ON FEB 23
MINIMUM DAILY, 0.008 ON AUG 09
MAXIMUM INSTANTANEOUS, 45.3 AT 00:41 EST ON FEB 23

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 47 12 N
LONG 081 16 03 W
DRAINAGE AREA, 95.4 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	8 890	JUL	382
FEB	8 260	AUG	1 740
MAR	7 010	SEP	3 260
APR	3 710	OCT	4 260
MAY	2 640	NOV	4 450
JUN	926	DEC	9 570

TOTAL DISCHARGE, 55 100 dam³

DEPOT CREEK AT BELLROCK - STATION NO. 02HM002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.31B	2.55B	2.40B	3.73	4.00	2.80	0.989	1.27	0.555	1.07	1.00	0.974	1
2	1.30B	2.51B	2.20B	3.76	3.63	2.61	1.01	1.19	0.518	0.948	0.974	0.947	2
3	1.30B	2.48B	2.10B	4.10	3.32	2.44	1.03	1.09	0.493	0.922	0.941	0.941	3
4	1.75B	2.44B	1.90B	4.62	3.16	2.40	0.979	1.02	0.508	0.943	0.923	1.56	4
5	1.80B	2.41B	1.75B	4.92	3.20	2.33	0.944	1.04	0.551	0.983	0.951	1.80	5
6	1.65B	2.37B	1.60B	4.75	3.23	2.19	0.839	1.04	0.700	0.930	1.28	1.79	6
7	1.62B	2.34B	1.44B	4.45	3.32	2.00	0.890	1.02	0.888	0.915	1.27	1.76	7
8	1.59B	2.30B	1.33B	4.14	3.25	1.84	0.941	1.01	1.06	0.915	1.25	1.78	8
9	1.56B	2.70B	1.25B	3.97	3.14	1.64	0.979	0.998	1.12	0.999	1.16	1.77	9
10	1.53B	2.95B	1.23B	4.05	2.98	1.42	0.939	1.00	1.17	1.06	1.19	1.76	10
11	1.50B	2.80B	1.55B	4.48	2.86	1.33	0.885	1.01	1.19	1.11	1.15	1.68	11
12	1.47B	2.70B	3.20B	4.57	2.93	1.23	0.912	1.02	1.18	1.16	1.10	1.49	12
13	1.45B	3.10B	4.84	4.52	2.75	1.44	0.907	1.26	1.18	2.01	1.08	1.49	13
14	1.44B	3.14B	5.57	4.39	2.66	1.78	0.955	1.18	1.19	2.01	1.03	1.45	14
15	1.43B	3.30B	5.79	4.44	2.56	1.61	1.05	1.08	1.20	3.58	1.01	1.39	15
16	1.42B	3.45B	5.77	4.40	2.52	1.28	1.08	1.07	1.17	3.80	0.995	1.31	16
17	1.75B	3.00B	5.91	4.48	3.08	1.14	1.14	1.05	1.16	3.77	1.00	1.20	17
18	2.50B	2.90B	5.71	4.42	3.85	1.17	1.20	1.02	1.16	3.95	0.933	1.47	18
19	2.20B	2.80B	4.94	4.38	3.90	1.12	1.22	1.02	1.17	3.99	0.897	1.96	19
20	2.10B	2.70B	4.55	4.34	3.79	1.03	1.27	0.988	1.19	3.05	0.882	2.10	20
21	2.09B	2.65B	4.35	4.52	3.97	0.998	1.26	0.991	1.17	2.20	0.869	1.97	21
22	2.07B	2.70B	4.43	4.53	3.85	0.997	1.25	1.02	1.21	1.97	0.880	5.95	22
23	2.06B	3.60B	4.42	4.45	3.80	1.13	1.43	1.00	1.21	1.80	0.951	5.21 B	23
24	2.04B	3.55B	4.15	4.38	3.79	1.05	1.36	1.04	1.18	1.70	0.965	5.82 B	24
25	2.18B	3.50B	3.94	4.64	3.66	0.996	1.29	0.951	1.16	1.57	0.990	5.05 B	25
26	2.38B	3.40B	3.73	4.69	3.52	0.949	1.25	0.782	1.16	1.29	0.963	4.49 B	26
27	2.60B	3.30B	3.49	4.62	3.38	0.929	1.23	0.673	1.16	1.20	1.01	4.01 B	27
28	2.75B	2.80B	3.41	4.51	3.25	0.919	1.23	0.601	1.08	1.19	1.07	3.56	28
29	2.77B		3.38	4.35	3.13	0.957	1.21	0.597	0.980	1.16	1.08	3.83	29
30	2.82B		3.85	4.15	2.99	0.988	1.21	0.630	1.48	1.09	1.00	5.79	30
31	2.65B		3.70		2.88		1.34	0.586		1.05		6.53 B	31
TOTAL	59.08	80.44	107.88	131.75	102.33	44.713	34.219	30.247	31.143	55.335	30.794	79.832	TOTAL
MEAN	1.91	2.87	3.48	4.39	3.30	1.49	1.10	0.976	1.04	1.79	1.03	2.58	MEAN
MAX	2.82	3.60	5.91	4.92	4.00	2.80	1.43	1.27	1.48	3.99	1.28	6.53	MAX
MIN	1.30	2.30	1.23	3.73	2.52	0.919	0.839	0.586	0.493	0.915	0.869	0.941	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.16
MAXIMUM DAILY, 6.53B ON DEC 31
MINIMUM DAILY, 0.493 ON SEP 03

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 28 17 N
LONG 076 45 46 W
DRAINAGE AREA, 189 km²

B - ICE CONDITIONS

REGULATED SINCE 1957

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 100	JUL	2 960
FEB	6 950	AUG	2 610
MAR	9 320	SEP	2 690
APR	11 400	OCT	4 780
MAY	8 840	NOV	2 660
JUN	3 860	DEC	6 900

TOTAL DISCHARGE, 68 100 dam³

DETROIT RIVER AT AMHERSTBURG - STATION NO. 02GH008

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	174.20	174.20	174.38	174.44	174.40	174.57	174.56	174.57	174.54	174.40	174.41	174.20	1
2	174.19	174.24	174.34	174.40	174.48	174.56	174.58	174.56	174.55	174.44	174.38	174.35	2
3	174.24	174.28	174.42	174.36	174.51	174.42	174.56	174.56	174.59	174.50	174.37	174.65	3
4	174.26	174.23	174.40	174.38	174.60	174.51	174.50	174.56	174.54	174.34	174.41	174.10	4
5	174.29	174.21	174.53	174.37	174.50	174.55	174.56	174.53	174.51	174.36	174.50	174.26	5
6	174.31	174.19	174.53	174.45	174.48	174.54	174.57	174.53	174.54	174.38	174.25	174.30	6
7	174.27	174.23	174.56	174.37	174.44	174.56	174.59	174.54	174.61	174.43	174.37	174.35	7
8	174.25	174.24	174.48	174.43	174.45	174.59	174.54	174.54	174.67	174.50	174.43	174.32	8
9	174.19	174.25	174.41	174.42	174.48	174.53	174.55	174.55	174.61	174.56	174.43	174.32	9
10	174.13	174.20	174.42	174.45	174.18	174.54	174.56	174.53	174.56	174.56	174.38	174.34	10
11	174.06	174.29	174.44	174.44	174.27	174.57	174.60	174.53	174.60	174.47	174.20	174.42	11
12	173.99	174.28	174.42	174.45	174.51	174.58	174.60	174.53	174.58	174.53	174.35	174.36	12
13	174.08	174.27	174.43	174.49	174.51	174.56	174.70	174.58	174.59	174.53	174.37	174.23	13
14	174.17	174.27	174.46	174.47	174.54	174.56	174.64	174.57	174.51	174.51	174.39	174.40	14
15	174.11	174.53	174.45	174.45	174.52	174.57	174.58	174.53	174.49	174.37	174.35	174.37	15
16	174.13	174.22	174.45	174.49	174.54	174.58	174.55	174.53	174.61	174.51	174.28	174.29	16
17	174.13	174.24	174.37	174.37	174.42	174.57	174.55	174.56	174.59	174.47	174.38	174.40	17
18	174.11	174.32	174.35	174.44	174.40	174.49	174.55	174.55	174.58	174.17	174.41	174.32	18
19	174.18	174.19	174.45	174.48	174.60	174.54	174.57	174.68	174.54	174.37	174.38	174.37	19
20	174.24	174.28	174.43	174.47	174.60	174.59	174.56	174.61	174.55	174.50	174.38	174.48	20
21	174.15	174.31	174.43	174.50	174.62	174.52	174.59	174.64	174.57	174.44	174.40	174.42	21
22	174.12	174.39	174.41	174.49	174.60	174.57	174.64	174.62	174.41	174.46	174.34	174.40	22
23	174.24	174.46	174.37	174.50	174.58	174.37	174.55	174.60	174.38	174.48	174.24	174.42	23
24	174.14	174.39	174.44	174.50	174.59	174.51	174.57	174.57	174.38	174.45	174.28	174.22	24
25	174.14	174.36	174.36	174.47	174.60	174.56	174.58	174.56	174.40	174.44	174.30	174.28	25
26	174.03	174.47	174.40	174.48	174.59	174.55	174.58	174.54	174.47	174.44	174.45	174.33	26
27	174.18	174.43	174.46	174.49	174.57	174.56	174.60	174.53	174.50	174.39	174.36	174.50	27
28	174.14	174.42	174.43	174.49	174.59	174.61	174.59	174.50	174.49	174.27	174.21	174.45	28
29	174.24		174.34	174.49	174.59	174.56	174.57	174.57	174.49	174.42	174.25	174.45	29
30	174.19		174.46	174.48	174.57	174.56	174.57	174.59	174.45	174.39	174.30	174.51	30
31	174.19		174.44		174.56		174.57	174.60		174.43		174.49	31
MEAN	174.17	174.30	174.43	174.45	174.51	174.55	174.58	174.56	174.53	174.44	174.35	174.36	MEAN
MAX	174.31	174.53	174.56	174.50	174.62	174.61	174.70	174.68	174.67	174.56	174.50	174.65	MAX
MIN	173.99	174.19	174.34	174.36	174.18	174.37	174.50	174.50	174.38	174.17	174.20	174.10	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

A - MANUAL GAUGE

MEAN, 174.44
MAXIMUM DAILY, 174.70 ON JUL 13
MINIMUM DAILY, 173.99 ON JAN 12
MAXIMUM INSTANTANEOUS,
175.16 AT 09:00 EST ON DEC 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 08 40 N
LONG 083 06 52 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 11995 AMHERSTBURG

DETROIT RIVER AT LA SALLE - STATION NO. 02GH007

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	174.34	174.54	174.56	174.54	174.70	174.71	174.71	174.68	---	174.55	174.37	1
2	174.41	174.37	174.50	174.54	174.60	174.69	174.71	174.71	174.69	174.58	174.51	174.49	2
3	174.45	174.41	174.56	174.50	174.63	174.57	174.70	174.70	174.72	174.64	174.51	174.77	3
4	174.46	174.37	174.54	174.52	174.70	174.64	174.65	174.70	174.68	174.50	174.54	174.37	4
5	174.46	174.35	174.64	174.52	174.63	174.68	174.71	174.68	174.66	174.52	174.62	174.51	5
6	174.46	174.33	174.64	174.58	174.60	174.67	174.72	174.68	174.68	174.53	174.43	174.54	6
7	174.41	174.37	174.67	174.51	174.57	174.69	174.73	174.68	174.76	174.59	174.53	174.58	7
8	174.39	174.38	174.60	174.56	174.58	174.71	174.68	174.68	174.81	174.64	174.57	174.56	8
9	174.34	174.39	174.54	174.55	174.60	174.66	174.70	174.69	174.76	174.71	174.58	174.59	9
10	174.29	174.35	174.54	174.57	174.36	174.67	174.70	174.68	174.71	174.71	174.53	174.66	10
11	174.23	174.43	174.56	174.57	174.40	174.70	174.74	174.68	174.74	174.63	174.39	174.72	11
12	174.17	174.42	174.55	174.59	174.62	174.71	174.78	174.68	174.73	174.68	174.51	174.67	12
13	174.24	174.41	174.57	174.61	174.62	174.70	174.79	174.72	174.72	174.68	174.53	174.56	13
14	174.31	174.49	174.58	174.61	174.65	174.69	174.77	174.71	174.66	174.66	174.53	174.70	14
15	174.26	174.63	174.58	174.59	174.63	174.70	174.72	174.68	174.65	174.54	174.49	174.63	15
16	174.27	174.37	174.58	174.62	174.67	174.71	174.70	174.68	174.76	174.65	174.44	174.45	16
17	174.28	174.39	174.50	174.51	174.55	174.70	174.69	174.70	174.74	174.62	174.51	174.54	17
18	174.27	174.46	174.48	174.57	174.55	174.63	174.69	174.69	174.73	174.37	174.53	174.47	18
19	174.33	174.34	174.58	174.61	174.71	174.67	174.71	174.80	174.70	174.52	174.52	174.51	19
20	174.38	174.42	174.55	174.59	174.72	174.72	174.70	174.75	174.71	174.64	174.51	174.60	20
21	174.31	174.45	174.55	174.62	174.74	174.66	174.73	174.77	174.72	174.59	174.53	174.55	21
22	174.28	174.52	174.54	174.62	174.73	174.71	174.77	174.75	174.59	174.61	174.48	174.54	22
23	174.38	174.60	174.50	174.63	174.70	174.54	174.70	174.74	174.55	174.62	174.40	174.56	23
24	174.30	174.55	174.57	174.62	174.71	174.65	174.71	174.71	174.55	174.59	174.42	174.40	24
25	174.29	174.55	174.49	174.60	174.71	174.69	174.72	174.70	174.56	174.58	174.45	174.44	25
26	174.23	174.62	174.54	174.60	174.71	174.68	174.72	174.68	174.66	174.59	174.57	174.48	26
27	174.36	174.57	174.58	174.61	174.70	174.71	174.74	174.67	174.69	174.54	174.50	174.63	27
28	174.32	174.58	174.56	174.61	174.71	174.74	174.72	174.65	174.70	174.45	174.37	---	28
29	174.39		174.64	174.61	174.71	174.70	174.71	174.71	174.70	174.56	174.40	---	29
30	174.36		174.58	174.61	174.69	174.69	174.71	174.73	---	174.53	174.44	---	30
31	174.36		174.55		174.69		174.71	174.74		174.57		---	31
MEAN	---	174.44	174.56	174.58	174.64	174.68	174.72	174.70	---	---	174.50	---	MEAN
MAX	---	174.63	174.67	174.63	174.74	174.74	174.79	174.80	---	---	174.62	---	MAX
MIN	---	174.33	174.48	174.50	174.36	174.54	174.65	174.65	---	---	174.37	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

A - MANUAL GAUGE

MAXIMUM DAILY, 174.81 ON SEP 08
MINIMUM DAILY, 174.17 ON JAN 12
MAXIMUM INSTANTANEOUS,
175.21 AT 09:00 EST ON DEC 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 14 30 N
LONG 083 06 19 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 11985 LA SALLE

DINGMAN CREEK BELOW LAMBETH - STATION NO. 02GE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.285B	1.16	1.65 B	1.82	0.575	0.396	1.52	0.530	0.800E	0.720	0.660	1.47	1
2	0.640B	1.50E	2.05 B	1.96	0.530	0.376	0.495	0.356	0.600E	0.585	0.630E	2.42	2
3	0.980B	1.99	2.44	3.63	0.444	3.60	0.412	0.312	0.440E	0.590	1.72	2.24	3
4	3.45 B	1.60	1.58	2.96	0.420E	3.68	0.384	0.256	0.590	6.79	0.595	2.90 E	4
5	7.90 B	1.27	1.25 B	2.10	0.918	0.690	0.320	0.575	0.171	3.51	9.20 E	4.11	5
6	3.20 B	1.19	1.08 B	2.39	0.545	0.520	0.324	0.316	1.33	1.29	21.1	2.85 E	6
7	2.30 B	1.48	1.02 B	1.65	0.465E	0.464	0.300	0.231	2.15 E	0.974	11.1	2.30 E	7
8	1.70 B	4.10	0.970B	1.31	0.396	0.424	0.296	0.216	1.94	0.820E	5.20	1.99 E	8
9	1.40 B	11.9	1.31	1.13	0.356	0.942	10.4	0.204	1.05	5.84	2.75	1.85 E	9
10	1.20 B	7.68	5.79	1.08	0.345E	0.642	5.00	0.195E	0.894	5.89	6.21	1.78	10
11	1.10 B	4.22	11.9	8.63	0.385E	0.500	1.18	0.216	0.714	7.49	2.11	2.16	11
12	1.05 B	2.08	9.43	1.81	0.330E	0.436	0.620	0.195	0.580	4.51	2.22	1.59	12
13	1.00 B	1.75	10.8	3.41	0.455E	0.408	0.550	2.62	0.550	6.16	1.64	1.82	13
14	0.950B	2.75	7.81	1.64	0.590E	0.424	1.10 E	0.540	0.520	3.77	1.35	1.39	14
15	0.920B	1.52	5.28	2.08	0.520E	0.500	2.03	0.364	6.55	2.12	1.32	1.30 E	15
16	0.890B	1.93	3.44	1.66	0.585E	0.408	1.12	0.304	2.80	1.56	1.23	1.50 E	16
17	4.50 B	1.65B	3.75	2.08	1.40 E	3.75 E	0.654	0.276	1.72	1.56	1.19	1.66	17
18	27.2	1.38B	2.14	1.75	3.70 E	0.336	0.505	0.265E	1.36	7.79	1.10 E	2.44	18
19	16.7	1.22B	2.17	1.24	2.00 E	0.404	0.535	0.440E	1.37	6.33	0.982	2.51	19
20	5.86	1.12B	2.24	2.00 E	1.60 E	0.328	0.910	0.740E	1.43	3.33	0.714	2.54	20
21	3.02	1.16B	1.90	3.56	1.90 E	0.408	0.560	0.316	0.942	2.21	0.814	2.00 E	21
22	2.11	3.70B	1.93	1.87	1.60 E	0.726	0.428	0.238E	1.13	1.59	6.68	6.80 E	22
23	1.85	27.8	3.87	1.38	1.30 E	0.934	0.565	0.220E	0.878	1.31	5.73	4.30 E	23
24	3.71	18.3	1.97	1.11	0.970E	2.16	0.400	0.205E	1.90 E	1.13	2.70 E	2.80 E	24
25	3.37	6.55	1.56	0.886	0.810E	1.01	0.344	0.200E	1.03	0.990	1.80	1.62 B	25
26	4.89	2.90B	2.62	0.738	0.690E	0.720	0.348	0.195E	0.846	0.902	2.48	1.26 B	26
27	2.45	2.40B	1.71	0.660	0.615E	1.50	0.324	0.190E	0.720	0.774	3.20 E	0.990B	27
28	3.56	2.05B	1.06	0.590	0.530E	0.575	0.256	6.60 E	0.650E	0.814	4.34	0.910B	28
29	1.93		1.04	0.575	0.490E	0.520	0.268	5.90 E	0.600	0.830	3.90 E	16.0 B	29
30	1.43		1.20	0.570	0.460	0.456	0.384	2.00 E	0.648	0.830	1.82	33.5	30
31	1.32 E		1.40 E		0.428		1.20	1.20 E		0.750		15.0 E	31
TOTAL	112.865	118.51	97.860	58.269	26.352	28.237	33.732	26.415	36.903	83.759	106.485	131.000	TOTAL
MEAN	3.64	4.23	3.16	1.94	0.850	0.941	1.09	0.852	1.23	2.70	3.55	4.23	MEAN
MAX	27.2	27.8	11.9	8.63	3.70	3.75	10.4	6.60	6.55	7.79	21.1	33.5	MAX
MIN	0.285	1.12	0.970	0.570	0.330	0.328	0.256	0.190	0.171	0.585	0.595	0.910	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.36
MAXIMUM DAILY, 33.5 ON DEC 30
MINIMUM DAILY, 0.171 ON SEP 05

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 42 56 02 N
LONG 081 21 05 W
DRAINAGE AREA, 146 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 750	JUL	2 910
FEB	10 200	AUG	2 280
MAR	8 460	SEP	3 190
APR	5 030	OCT	7 240
MAY	2 280	NOV	9 200
JUN	2 440	DEC	11 300

TOTAL DISCHARGE, 74 300 dam³

DON RIVER AT TODMORDEN - STATION NO. 02HC024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.43	3.23	2.20B	2.72	2.06	1.85	6.61	1.75	1.60	3.24	1.80	1.83	1
2	2.33	4.31	5.36	3.63	1.96	1.85	2.96	1.58	1.53	3.45	1.75	1.79	2
3	2.13	1.90B	4.80B	4.71	1.91	7.09	2.13	1.55	1.49	1.91	1.78	5.05	3
4	13.3	1.80B	3.00B	8.57	2.01	4.01	1.83	1.56	1.51	10.4	1.81	16.4	4
5	5.60B	1.95B	2.30B	6.65	7.61	2.10	1.70	8.28	1.79	4.99	9.18	4.76	5
6	2.70B	3.17	2.10B	2.79	2.95	2.24	1.61	2.28	1.73	2.71	10.6	3.90	6
7	2.35B	4.27	2.00B	2.74	2.20	1.87	1.51	1.79	1.66	1.96	4.73	3.76	7
8	2.06B	8.77	2.49	2.51	2.10	4.65	1.56	1.69	1.53	3.62	2.76	3.85	8
9	2.61	11.8	3.33	2.38	2.04	3.08	4.74	1.61	1.45	14.4	5.19	3.78	9
10	14.9	5.76	4.67	9.51	5.48	2.35	1.85	1.57	1.49	8.48	2.63	4.30	10
11	4.81	3.64	15.0	10.1	2.70	2.16	1.62	1.96	1.53	6.48	3.27	3.21	11
12	3.50B	3.34	44.4	4.49	2.08	1.83	1.59	10.5	1.48	17.5	2.64	2.69	12
13	2.20B	4.42	22.4	3.84	8.02	3.91	1.57	29.1	1.47	11.4	2.27	3.87	13
14	2.00B	5.76	17.0	5.64	3.01	4.48	1.55	8.50	6.61	7.01	1.90	3.03	14
15	2.35	3.24	8.54	4.76	2.20	3.20	11.2	9.28	6.54	4.64	1.85	2.68	15
16	2.46	3.81	5.39	3.73	11.7	1.96	3.40	5.13	2.50	2.79	2.05	3.17	16
17	11.1	3.35B	4.96	6.64	10.1	1.77	4.17	3.05	1.74	13.1	2.03	2.44	17
18	12.2	2.35B	4.17	3.30	4.72	1.76	3.03	3.69	1.58	8.09	1.79	7.95	18
19	4.30B	2.25B	4.20	2.76	3.30	1.70	1.84	5.60	2.00	4.21	1.68	5.60	19
20	3.00B	2.15B	3.48	5.94	19.2	1.63	11.0	3.15	2.10	3.20	1.63	3.37	20
21	2.70B	2.71	3.10	6.67	5.85	2.67	2.67	2.31	1.70	3.01	1.77	7.87	21
22	2.60B	28.5	3.50	3.71	3.91	2.01	5.17	1.93	2.36	2.84	5.76	8.51	22
23	2.55B	30.0	4.85	3.06	3.50	4.18	9.83	1.81	2.41	2.29	3.62	27.3	23
24	11.4	10.0 B	3.13	2.62	3.15	2.83	2.83	1.73	1.66	2.02	2.31	8.30	24
25	7.13	6.50B	2.57	2.49	2.46	1.89	2.01	1.70	1.71	1.93	2.67	6.06	25
26	7.46	5.20B	2.55	2.39	2.25	1.72	1.72	1.69	2.39	1.84	2.04	4.71	26
27	3.39	3.15B	2.44	2.33	2.71	3.76	1.60	3.84	1.76	1.84	3.10	3.01	27
28	3.87	2.45B	2.31	2.25	2.61	1.73	1.56	5.15	1.59	2.87	2.53	3.20	28
29	3.20B		2.28	2.12	2.18	11.3	1.55	2.15	1.77	1.88	2.00	28.4	29
30	2.85B		3.93	2.03	1.96	10.7	2.17	1.72	12.0	1.86	1.86	16.8	30
31	2.58B		3.51		1.91		2.98	1.60		1.87		8.51	31
TOTAL	150.06	169.48	195.96	127.08	129.84	98.28	101.56	129.25	72.68	157.83	88.00	210.10	TOTAL
MEAN	4.84	6.05	6.32	4.24	4.19	3.28	3.28	4.17	2.42	5.09	2.93	6.78	MEAN
MAX	14.9	30.0	44.4	10.1	19.2	11.3	11.2	29.1	12.0	17.5	10.6	28.4	MAX
MIN	2.00	1.80	2.00	2.03	1.91	1.63	1.51	1.55	1.45	1.84	1.63	1.79	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.47
MAXIMUM DAILY, 44.4 ON MAR 12
MINIMUM DAILY, 1.45 ON SEP 09
MAXIMUM INSTANTANEOUS,
79.5 AT 22:35 EST ON FEB 22

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 41 50 N
LONG 079 21 15 W
DRAINAGE AREA, 316 km²

B - ICE CONDITIONS

REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	13 000	JUL	8 770
FEB	14 600	AUG	11 200
MAR	16 900	SEP	6 280
APR	11 000	OCT	13 600
MAY	11 200	NOV	7 600
JUN	8 490	DEC	18 200

TOTAL DISCHARGE, 141 000 dam³

DON RIVER AT YORK MILLS - STATION NO. 02HC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.854	0.685	0.527	0.539	0.756	0.303	1.28	0.375	0.311	1.17	0.137	0.142	1
2	0.524	0.954	0.949	0.799	0.727	0.312	1.14	0.297	0.262	0.927	0.141	0.125	2
3	0.452	0.450B	1.27	1.49	0.753	1.20	0.527	0.271	0.253	0.335	0.092	0.142	3
4	1.93	0.390B	0.900B	2.52	0.788	0.708	0.350	0.277	0.242	1.40	0.046	0.610	4
5	1.20 B	0.375B	0.430B	1.85	1.15	0.417	0.302	1.70	0.307	0.967	1.03	0.584	5
6	0.900B	0.579	0.305B	0.383	0.722	0.426	0.267	0.555	0.319	0.780	1.58	0.550	6
7	0.769	0.887	0.280B	0.593	0.391	0.368	0.258	0.349	0.310	0.309	2.56	0.520	7
8	0.494	1.60	0.365	0.527	0.357	0.742	0.415	0.296	0.272	0.395	2.00	0.494	8
9	0.646	1.76	0.675	0.491	0.342	0.678	0.687	0.277	0.259	1.56	1.56	0.469	9
10	2.30	1.33 B	0.998	1.37	0.768	0.470	0.368	0.279	0.241	1.16	1.51	0.436	10
11	1.56	1.20 B	2.32	1.46	0.569	0.383	0.278	0.400	0.246	1.20	1.52	0.328	11
12	1.13 B	1.07 B	6.68	1.38	0.384	0.376	0.244	2.12	0.241	4.81	1.25	0.191	12
13	0.700B	1.54	14.1	1.36	1.08	1.20	0.239	4.15	0.234	3.18	1.04	0.192	13
14	0.430B	1.35	9.84	1.56	0.704	0.537	0.236	5.07	1.21	4.00	0.853	0.172	14
15	0.444	1.32	3.23	1.39	0.427	0.510	1.35	2.74	1.24	1.81	0.747	0.154	15
16	0.588	1.32	1.25	1.36	1.42	0.448	1.15	1.37	0.875	0.634	0.653	0.138	16
17	2.16	0.799	1.20	1.52	1.65	0.388	0.844	1.31	0.342	1.62	0.560	0.123	17
18	2.57	0.496	1.14	0.897	1.24	0.362	0.619	1.35	0.252	1.31	0.458	0.111	18
19	1.60 B	0.519	1.03	0.706	1.12	0.317	0.369	1.46	0.340	0.959	0.357	0.096	19
20	1.37 B	0.471	0.704	1.37	2.61	0.284	0.900E	1.19	0.397	0.898	0.286	0.083	20
21	1.20 B	0.493	0.608	1.60	1.40	0.374	0.490E	0.590	0.294	0.866	0.258	0.111	21
22	1.07 B	1.54	0.689	1.50	1.33	0.424	0.700E	0.383	0.413	0.706	0.271	0.172	22
23	0.886	4.33	0.969	0.996	1.27	0.743	1.10 E	0.355	0.358	0.288	0.308	1.13	23
24	1.92	3.00 B	0.670	0.837	1.01	0.660	0.965A	0.332	0.268	0.211	0.201	1.28	24
25	1.70	1.70 B	0.511	0.808	0.528	0.390	0.469	0.310	0.303	0.185	0.258	1.24	25
26	1.39	1.10 B	0.483	0.788	0.424	0.322A	0.363	0.304	0.329	0.166	0.236	1.21	26
27	1.35	0.800B	0.428	0.807	0.511	0.509	0.316	0.806	0.287	0.190	0.218	1.16	27
28	1.31	0.500B	0.399	0.797	0.426	0.342	0.291	1.35	0.257	0.255	0.198	1.09	28
29	1.30		0.383	0.760	0.333	1.54	0.291	0.499	0.342	0.163	0.176	1.22	29
30	0.919		0.631	0.746	0.326	1.46	0.467	0.345	1.71	0.145	0.162	1.20	30
31	0.589		0.650		0.309		0.650	0.300		0.133		1.17	31
TOTAL	36.255	34.558	54.614	33.204	25.825	17.193	17.925	31.410	12.714	32.732	20.746	16.643	TOTAL
MEAN	1.17	1.23	1.76	1.11	0.833	0.573	0.578	1.01	0.424	1.06	0.692	0.537	MEAN
MAX	2.57	4.33	14.1	2.52	2.61	1.54	1.35	5.07	1.71	4.81	2.56	1.28	MAX
MIN	0.430	0.375	0.280	0.383	0.309	0.284	0.236	0.271	0.234	0.133	0.046	0.083	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.915
MAXIMUM DAILY, 14.1 ON MAR 13
MINIMUM DAILY, 0.046 ON NOV 04
MAXIMUM INSTANTANEOUS,
24.6 AT 13:19 EST ON OCT 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 44 21 N
LONG 079 24 05 W
DRAINAGE AREA, 88.1 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 130	JUL	1 550
FEB	2 990	AUG	2 710
MAR	4 720	SEP	1 100
APR	2 870	OCT	2 830
MAY	2 230	NOV	1 790
JUN	1 490	DEC	1 440

TOTAL DISCHARGE, 28 900 dam³

DUFFINS CREEK ABOVE PICKERING - STATION NO. 02HC019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.520B	1.05 B	0.900B	1.24	0.783	0.571	1.57	0.469	0.473	0.791	0.743	0.794	1
2	0.495B	0.950B	0.850B	1.81	0.713	0.615	0.753	0.449	0.470	0.657	0.705	0.777	2
3	0.475B	1.05 B	0.900B	2.41	0.683	1.05	0.595	0.432	0.453	0.600	0.704	0.780	3
4	0.460B	0.840B	1.23 B	3.62	0.707	0.896	0.530	0.463	0.479	0.901	0.701	1.97	4
5	0.760B	0.870B	0.960B	3.10	1.01	0.785	0.486	0.558	0.805	0.880	1.04	1.46	5
6	1.06 B	0.950B	0.800B	1.61	0.832	0.720	0.471	0.541	0.643	0.695	2.02	1.21	6
7	0.700B	0.940B	0.760B	1.62	0.765	0.639	0.457	0.510	0.595	0.633	1.13	1.09	7
8	0.480B	2.00 B	0.730B	1.07	0.779	0.679	0.477	0.558	0.519	0.635	0.959	1.06	8
9	0.440B	5.80 B	0.710B	1.04	0.743	0.858	0.985	0.491	0.510	1.32	0.859	1.08	9
10	1.00 B	3.50 B	0.980B	3.38	1.23	0.730	0.583	0.461	0.532	1.80 E	0.873	1.26	10
11	1.06 B	2.40 B	10.0 B	4.09	1.03	0.641	0.512	0.466	0.514	1.35 E	0.838	1.11	11
12	0.800B	1.70 B	34.0	1.63	0.809	0.587	0.489	0.584	0.482	1.60 E	0.828	0.998	12
13	0.440B	1.40 B	15.2	1.23	1.02	0.830	0.460	1.59	0.486	1.80 E	0.802	1.28	13
14	0.370B	1.10 B	6.57 E	1.39	0.967	0.687	0.465	1.06	0.642	2.00 E	0.778	1.22 B	14
15	0.352B	1.00 B	4.11	1.78	0.794	0.616	1.47	1.50	1.09	1.15 E	0.833	1.12 B	15
16	0.355B	1.50 B	3.19	1.40	1.28	0.547	0.955	1.88	0.645	0.900E	0.893	1.01	16
17	0.612B	1.00 B	2.63	1.98	2.10	0.520	0.687	0.834	0.572	1.40 E	0.821	0.888	17
18	10.2 B	0.900B	1.89	1.34	1.62	0.528	0.598	0.714	0.545	2.50 E	0.734	1.48	18
19	4.00 B	0.790B	1.37	1.18	1.17	0.526	0.532	0.737	0.579	2.10 E	0.697	2.58 B	19
20	2.50 B	0.760B	1.19	1.36	2.46	0.475	0.699	0.626	0.613	1.50 E	0.702	1.55 B	20
21	1.60 B	0.780B	1.26	2.25	2.16	0.589	0.690	0.603	0.576	1.20 E	0.719	1.79	21
22	1.10 B	2.00 B	1.51	1.52	1.30	0.570	0.609	0.612	0.588	1.00 E	1.02	1.33 B	22
23	1.50 B	11.9 B	1.16	1.28	1.05	0.735	1.14	0.589	0.572	0.860E	1.22	8.03	23
24	2.20 B	2.97 B	1.26	1.18	0.938	0.638	0.713	0.562	0.564	0.765E	0.976	2.58	24
25	3.50 B	1.34 B	1.12	1.09	0.900	0.555	0.734	0.537	0.551	0.732	0.970	1.90 B	25
26	8.00 B	1.30 B	1.01	1.14	0.783	0.490	0.563	0.518	0.603	0.736	0.910	1.30 B	26
27	2.65 B	1.06 B	0.934	0.989	0.744	0.513	0.491	0.507	0.572	0.724	0.925	0.950B	27
28	2.85 B	1.00 B	0.898	0.926	0.734	0.466	0.506	0.537	0.546	0.848	0.977	1.20 B	28
29	2.40 B		0.868	0.846	0.673	0.914	0.454	0.502	0.612	0.821	0.878	2.00 B	29
30	2.00 B		1.03	0.808	0.610	1.46	0.480	0.476	0.947	0.999	0.793	1.75	30
31	1.10 B		1.29		0.584		0.518	0.466		0.744		2.11 B	31
TOTAL	55.979	55.850	102.310	49.909	31.971	20.430	20.672	20.832	17.778	36.641	27.048	55.657	TOTAL
MEAN	1.81	1.99	3.30	1.66	1.03	0.681	0.667	0.672	0.593	1.18	0.902	1.80	MEAN
MAX	10.2	11.9	34.0	4.09	2.46	1.46	1.57	1.88	1.09	3.80	2.02	8.03	MAX
MIN	0.352	0.760	0.710	0.808	0.584	0.466	0.454	0.432	0.453	0.600	0.697	0.777	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.36
MAXIMUM DAILY, 34.0 ON MAR 12
MINIMUM DAILY, 0.352B ON JAN 15
MAXIMUM INSTANTANEOUS,
64.0 AT 05:00 EST ON MAR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 53 30 N
LONG 079 03 33 W
DRAINAGE AREA, 93.5 km²
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	4 840	JUL	1 790
FEB	4 830	AUG	1 800
MAR	8 840	SEP	1 540
APR	4 310	OCT	3 170
MAY	2 760	NOV	2 340
JUN	1 770	DEC	4 810

TOTAL DISCHARGE, 42 800 dam³

DUFFINS CREEK AT AJAX - STATION NO. 02HC049

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.980B	2.05B	1.80B	2.84	1.50E	1.07	4.06	0.752	0.729	1.58	1.29	1.53	1
2	0.950B	1.90B	1.70B	3.65	1.40E	1.08	1.62	0.660	0.746	1.18	1.30	1.48	2
3	0.920B	2.15B	1.70B	7.13	1.38E	1.24	1.15	0.648	0.708	1.03	1.27	1.48	3
4	1.45 B	1.70B	1.90B	8.46	1.60E	1.44	1.01	0.679	0.726	1.43	1.27	5.16	4
5	2.15 B	1.79B	1.60B	9.46	2.00E	1.41	0.862	0.864	1.09	1.70	1.82	3.83	5
6	1.40 B	1.94B	1.54B	4.95	1.60E	1.28	0.799	0.824	1.10	1.24	5.20	3.02	6
7	1.00 B	1.88B	1.47B	3.24	1.54E	1.22	0.786	0.795	0.956	1.10	2.69	2.64	7
8	0.880B	3.25B	1.43B	2.60	1.50E	1.30 E	0.880	0.847	0.846	1.10	2.06	2.35	8
9	0.840B	17.6 B	1.86B	2.45	1.50E	1.70 E	1.47	0.776	0.818	2.37	1.81	2.41	9
10	1.90 B	9.66	2.33	6.55	2.42E	1.45 E	1.00	0.708	0.870	3.30	1.69	2.83	10
11	2.20 B	4.09B	17.7 B	11.8	1.90E	1.30 E	0.767	0.733	0.832	2.34	1.67	2.48	11
12	0.900B	2.93B	67.1	5.17	1.65E	1.19 E	0.747	1.21	0.775	3.25	1.61	2.04	12
13	0.740B	2.73	30.3	3.56	2.00E	1.66 E	0.742	4.07	0.755	6.78	1.54	3.09	13
14	0.705B	6.61	16.8	3.22	1.70E	1.40 E	0.757	2.82	0.974	3.16	1.51	2.48	14
15	0.710B	2.93	11.7	4.94	1.65E	1.20 E	2.32	2.54	1.67	2.02	1.58	2.28	15
16	0.740B	4.64B	9.90	3.88	3.00E	1.10 E	1.62	5.69	1.12	1.58	1.73	2.07	16
17	1.28 B	3.56B	8.81	5.43	5.05	1.05 E	1.11	1.96	0.921	3.36	1.62	1.82	17
18	22.6 B	1.65B	6.55	3.78	3.81	1.06 E	0.907	1.36	0.856	4.59	1.41	1.47	18
19	8.01	1.57B	4.00E	3.22	2.36	1.03 E	0.813	1.51	0.907	3.76	1.36	4.72	19
20	4.38	1.55B	2.50E	3.29	5.35	0.980E	1.17	1.21	0.956	2.33	1.33	2.55	20
21	3.39 B	1.67	3.25E	4.45E	6.20	1.20 E	1.11	1.11	0.913	1.89	1.32	2.76	21
22	3.49 B	3.71B	4.01E	2.80E	3.17	1.14 E	1.10	1.04	0.948	1.69	1.80	7.99	22
23	5.16 B	6.57	2.45E	2.20	1.83	1.45 E	1.91	1.03	0.926	1.52	2.80	18.3	23
24	5.83 B	23.8	2.30E	2.20E	1.66	1.30 E	1.26	0.928	0.901	1.44	2.08	8.50	24
25	6.12 B	10.7	3.50	2.20E		1.10 E	1.10	0.880	0.898	1.38	2.01	4.23B	25
26	16.3 B	3.23B	2.36	2.30E	1.48	0.980E	0.883	0.839	0.966	1.30	1.87	2.87B	26
27	5.25	2.79B	2.02	1.90E	1.32	1.02 E	0.793	0.816	1.01	1.30	1.86	1.91B	27
28	5.92	2.23	1.84	1.80E	1.38	0.960E	0.798	0.901	0.938	1.49	2.05	2.32B	28
29	4.65		1.82	1.65E	1.30	1.43 E	0.751	0.875	1.00	1.48	1.83	7.77B	29
30	3.02 B		2.11	1.60E	1.21	3.07	0.748	0.782	1.67	1.59	1.58	16.7 B	30
31	2.30 B		2.92		1.14		0.808	0.725		1.37		6.35	31
TOTAL	109.165	129.92	226.80	123.07	67.88	38.810	35.851	40.582	28.525	65.65	54.96	132.73	TOTAL
MEAN	3.52	4.64	7.32	4.10	2.19	1.29	1.16	1.31	0.951	2.12	1.83	4.28	MEAN
MAX	22.6	23.8	67.1	11.8	6.20	3.07	4.06	5.69	1.67	6.78	5.20	18.3	MAX
MIN	0.705	1.55	1.43	1.60	1.14	0.960	0.742	0.648	0.708	1.03	1.27	1.48	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.89
MAXIMUM DAILY, 67.1 ON MAR 12
MINIMUM DAILY, 0.648 ON AUG 03
MAXIMUM INSTANTANEOUS,
91.4 AT 07:39 EST ON MAR 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 50 57 N
LONG 079 03 25 W
DRAINAGE AREA, 251 km²

B - ICE CONDITIONS
E - ESTIMATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 430	JUL	3 100
FEB	11 200	AUG	3 510
MAR	19 600	SEP	2 460
APR	10 600	OCT	5 670
MAY	5 860	NOV	4 750
JUN	3 350	DEC	11 500

TOTAL DISCHARGE, 91 000 dam³

REMARKS - STATION INSTALLED MAY 1989. LOCATED JUST DOWNSTREAM OF PREVIOUS STAT 02HC006, DUFFINS CRK AT PICKERING (249 SQ. KM)

EAGLE RIVER AT EAGLE RIVER - STATION NO. 05QD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.96	3.68	6.51	6.51	3.68	3.68	9.63	9.63	4.53	3.68	8.07	7.93	1
2	3.96	3.68	6.51	6.51	3.68	3.68	9.63	9.63	4.53	3.68	8.07	7.93	2
3	3.96	3.68	6.51	6.51	3.68	3.68	9.63	9.63	4.53	3.68	8.07	7.93	3
4	3.96	3.68	6.51	6.51	3.68	3.68	9.63	9.63	4.53	3.68	8.07	7.93	4
5	3.96	3.68	6.51	6.51	3.68	3.68	9.63	9.63	4.53	3.68	8.07	7.93	5
6	3.96	3.68	6.51	6.51	3.68	3.68	9.63	9.63	4.53	3.68	8.07	7.93	6
7	3.96	3.68	6.51	6.51	3.68	3.68	9.63	9.63	4.53	3.68	8.07	7.93	7
8	3.96	3.68	6.51	6.51	3.68	3.68	9.63	9.63	4.53	3.68	8.07	7.93	8
9	3.96	3.68	6.51	6.51	3.68	3.68	9.63	9.63	4.53	8.21	8.07	7.93	9
10	3.96	3.68	6.51	6.51	3.68	3.68	9.63	9.63	4.53	8.21	8.07	7.93	10
11	3.96	3.68	6.51	6.51	3.68	3.68	9.63	9.63	4.53	8.21	8.07	7.93	11
12	3.96	3.68	6.51	6.51	3.68	3.68	9.63	9.63	4.53	8.21	8.07	7.93	12
13	3.96	3.68	6.51	6.51	3.68	3.68	9.63	9.63	5.38	8.21	8.07	7.93	13
14	3.96	3.68	6.51	6.51	3.68	3.68	9.63	9.63	5.38	8.21	8.07	7.93	14
15	3.68	3.68	6.51	6.51	3.68	3.68	9.63	9.63	5.38	8.21	8.07	7.93	15
16	3.68	3.68	6.51	6.51	3.68	3.68	9.63	8.21	5.38	8.21	8.07	7.93	16
17	3.68	3.68	6.51	6.51	3.68	3.68	9.63	8.21	5.38	8.21	8.07	7.93	17
18	3.68	3.68	6.51	6.51	3.68	3.68	9.63	8.21	5.38	8.21	8.07	7.93	18
19	3.68	3.68	6.51	6.51	3.68	3.68	9.63	8.21	5.38	8.21	8.07	7.93	19
20	3.68	3.68	6.51	6.51	3.68	3.68	9.63	8.21	5.38	8.21	8.07	7.93	20
21	3.68	3.68	6.51	6.51	3.68	9.63	9.63	8.21	5.38	8.21	8.07	7.93	21
22	3.68	3.68	6.51	6.51	3.68	9.63	9.63	8.21	5.38	8.21	8.07	7.93	22
23	3.68	3.68	6.51	6.51	3.68	9.63	9.63	8.21	5.38	8.21	8.07	7.93	23
24	3.68	3.68	6.51	6.51	3.68	9.63	9.63	8.21	4.96	8.21	8.07	7.93	24
25	3.68	3.68	6.51	6.51	3.68	9.63	9.63	8.21	4.96	8.21	8.07	7.93	25
26	3.68	3.68	6.51	6.51	3.68	9.63	9.63	8.21	4.96	8.21	8.07	7.93	26
27	3.68	3.68	6.51	6.51	3.68	9.63	9.63	8.21	4.96	8.21	8.07	7.93	27
28	3.68	3.68	6.51	6.51	3.68	9.63	9.63	8.21	4.96	8.21	8.07	7.93	28
29	3.68		6.51	6.51	3.68	9.63	9.63	8.21	4.96	8.21	8.07	7.93	29
30	3.68		6.51		3.68	9.63	9.63	8.21		8.21		7.93	30
31	3.68		6.51		3.68		9.63			8.21			31
TOTAL	118.00	103.04	201.81	195.30	114.08	169.90	298.53	275.81	148.68	218.27	242.10	245.83	TOTAL
MEAN	3.81	3.68	6.51	6.51	3.68	5.66	9.63	8.90	4.96	7.04	8.07	7.93	MEAN
MAX	3.96	3.68	6.51	6.51	3.68	9.63	9.63	9.63	5.38	8.21	8.07	7.93	MAX
MIN	3.68	3.68	6.51	6.51	3.68	3.68	9.63	8.21	4.53	3.68	8.07	7.93	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.39
MAXIMUM DAILY, 9.63 ON JUN 21
MINIMUM DAILY, 3.68 ON JAN 15

DATA CONTRIBUTED BY -
GREAT LAKES FOREST PRODUCTS LIMITED

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 49 47 20 N
LONG 093 11 40 W
DRAINAGE AREA, 2 510 km²

REGULATED SINCE 1920

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	10 200	JUL	25 800
FEB	8 900	AUG	23 800
MAR	17 400	SEP	12 800
APR	16 900	OCT	18 900
MAY	9 860	NOV	20 900
JUN	14 700	DEC	21 200

TOTAL DISCHARGE, 201 000 dam³

EAST BRANCH SCOTCH RIVER NEAR ST. ISIDORE DE PRESCOTT - STATION NO. 02LB012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.920	0.772	0.125	0.098	0.118	0.021	1.66	0.478	1.11	1
2	---	---	---	1.22	0.684	0.117	0.090	0.095	0.015	1.18	0.664	0.964	2
3	---	---	---	1.90	0.602	0.117	0.070	0.076	0.012	0.880	0.444	0.714B	3
4	---	---	---	9.78	0.529	0.115	0.059	0.060	0.009	1.01	0.409	1.37 B	4
5	---	---	---	8.48	0.543	0.107	0.051	0.069	0.008	1.48	0.420	1.75 B	5
6	---	---	---	5.80	0.645	0.095	0.042	0.286	0.010	1.09	1.11	2.35 B	6
7	---	---	---	3.59	0.634	0.075	0.035	0.193	0.010	0.858	1.20	1.69 B	7
8	---	---	---	2.38	0.560	0.089	0.024	0.193	0.013	0.686	1.05	1.26 B	8
9	---	---	0.334A	1.70	0.502	0.116	0.026	0.155	0.011	0.810	0.887	0.919B	9
10	---	---	---	1.91	0.520	0.085	0.021	0.122	0.012	1.53	0.916	0.905B	10
11	---	---	---	2.40	0.957	0.094	0.016	0.099	0.014	1.56	0.987	---	11
12	---	---	---	2.23	0.940	0.085	0.012	0.081	0.017	2.02	0.764	---	12
13	---	---	---	2.29	0.821	0.060	0.009	0.106	0.027	4.19	0.706B	---	13
14	---	---	---	2.98	0.720	0.047	0.006	0.211	0.034	3.79	0.638B	---	14
15	---	---	---	4.49	0.572	0.043	0.008	0.161	0.043	2.61	0.590	---	15
16	---	---	5.58 B	3.86	0.502	0.040	0.008	0.154	0.035	1.97	0.677	---	16
17	---	---	8.07 B	3.28	0.679	0.034	0.013	0.125	0.028	1.57	1.88	---	17
18	---	---	9.13 B	2.49	1.49	0.037	0.021	0.107	0.018	1.40	1.40	---	18
19	---	---	6.43 B	1.94	1.58	0.046	0.016	0.132	0.019	1.54	1.14	---	19
20	---	---	4.68	1.63	1.44	0.050	0.118	0.109	0.027	1.20	0.998	---	20
21	---	---	3.22	2.48	1.57	0.052	0.332	0.089	0.021	0.984	0.877	---	21
22	---	---	2.60	2.26	1.35	0.062	0.292	0.071	0.025	0.812	0.870	---	22
23	---	---	2.40	1.94	1.07	0.154	0.730	0.063	0.024	0.732	1.73	---	23
24	---	---	2.18 B	1.60	0.851	0.320	0.848	0.054	0.024	0.715	1.55	---	24
25	---	---	1.85 B	1.37	0.654	0.280	0.712	0.045	0.027	0.659	1.43	---	25
26	---	---	1.39 B	1.24	0.486	0.257	0.540	0.038	0.023	0.634	1.29	---	26
27	---	---	0.877B	1.12	0.405	0.167	0.367	0.031	0.018	0.574	1.41	---	27
28	---	---	0.840B	0.969	0.338	0.119	0.245	0.022	0.014	0.516	1.98	---	28
29	---	---	0.800B	0.818	0.247	0.097	0.173	0.022	0.026	0.533	1.65	---	29
30	---		0.749	0.792	0.207	0.097	0.132	0.044	1.49	0.552	1.32	---	30
31	---		0.747		0.157		0.123	0.034		0.542		---	31
TOTAL	---	---	---	79.859	23.027	3.182	5.237	3.165	2.075	40.287	31.465	---	TOTAL
MEAN	---	---	---	2.66	0.743	0.106	0.169	0.102	0.069	1.30	1.05	---	MEAN
MAX	---	---	---	9.78	1.58	0.320	0.848	0.286	1.49	4.19	1.98	---	MAX
MIN	---	---	---	0.792	0.157	0.034	0.006	0.022	0.008	0.516	0.409	---	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM INSTANTANEOUS,
13.4 AT 11:40 EST ON APR 04

REMARKS - SEASONAL MAY-DEC

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 22 11 N
LONG 074 54 00 W
DRAINAGE AREA, 76.7 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	452
FEB	---	AUG	273
MAR	---	SEP	179
APR	6 900	OCT	3 480
MAY	1 990	NOV	2 720
JUN	275	DEC	---

EAST HUMBER RIVER AT KING CREEK - STATION NO. 02HC032

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.137	0.365B	0.750B	0.676	0.309	0.216	1.25	0.131	0.082	0.115	0.268	0.306	1
2	0.136	0.330B	0.650B	0.748	0.268	0.191	0.753	0.121	0.082	0.140	0.310	0.292	2
3	0.138	0.305B	0.550B	1.33	0.239	0.225	0.344	0.108	0.082	0.478	0.296	0.275	3
4	0.194	0.285B	0.510B	1.40	0.235	0.290	0.239	0.100	0.080	0.329	0.263	0.275	4
5	0.427B	0.265B	0.460B	1.68	0.462	0.235	0.190	0.113	0.085	0.189	0.222	0.836	5
6	0.370B	0.245B	0.420B	1.44	0.639	0.208	0.161	0.115	0.085	0.150	0.353	0.929	6
7	0.270B	0.250B	0.370B	1.08	0.424	0.174	0.138	0.113	0.083	0.156	1.15	0.740	7
8	0.245B	0.860B	0.345	0.950	0.341	0.158	0.130	0.117	0.079	0.271	0.764	0.603	8
9	0.233	2.70 B	0.323	0.765	0.303	0.211	0.180	0.106	0.081	0.193	0.556	0.522	9
10	0.243	2.20 B	0.306	0.935	0.361	0.208	0.221	0.095	0.087	0.143	0.451	0.495	10
11	0.254	1.05 B	2.98	2.29	0.441	0.169	0.174	0.108	0.083	0.132	0.429	0.581	11
12	0.215B	0.880B	21.1	1.64	0.313	0.157	0.141	0.140	0.097	0.714	0.399	0.527	12
13	0.200B	0.660B	12.6	1.20	0.340	0.178	0.131	0.252	0.102	0.662	0.409	0.484	13
14	0.185B	0.760B	7.59	0.990	0.376	2.22	0.123	0.294	0.098	0.461	0.369	0.700	14
15	0.180	0.660B	4.21	1.03	0.316	3.28	0.257	0.185	0.128	0.947	0.347	0.627	15
16	0.170	0.560B	2.86	1.04	0.327	1.34	0.256	0.140	0.169	0.847	0.402	0.510	16
17	0.709	0.490B	2.45	1.04	1.01	0.752	0.210	0.127	0.144	0.499	0.392	0.428	17
18	3.52	0.400B	2.02	1.02	1.00	0.511	0.184	0.126	0.114	0.331	0.336	0.439	18
19	1.00 B	0.340B	1.58	0.878	0.762	0.350	0.144	0.138	0.109	0.505	0.291	0.731	19
20	0.660B	0.315B	1.35	0.836	1.11	0.313	0.311	0.138	0.114	0.770	0.269	0.600	20
21	0.460B	0.290B	1.24	1.22	1.51	0.308	0.263	0.118	0.127	0.765	0.264	0.572	21
22	0.370B	1.60	1.23	1.01	0.971	0.267	0.211	0.110	0.122	0.499	0.351	0.956	22
23	0.363	6.72	1.55	0.844	0.790	0.308	0.266	0.108	0.116	0.399	0.646	1.98	23
24	0.359	2.40 B	1.55 B	0.768	0.603	0.401	0.233	0.098	0.115	0.321	0.556	1.80 B	24
25	0.753	1.50 B	0.850B	0.681	0.481	0.297	0.191	0.099	0.118	0.270	0.485	1.53 B	25
26	1.21	1.15 B	0.720B	0.626	0.384	0.253	0.177	0.089	0.108	0.242	0.435	1.27 B	26
27	0.950B	1.00 B	0.650B	0.585	0.340	0.220	0.171	0.109	0.100	0.229	0.375	1.05 B	27
28	0.850B	0.900B	0.610B	0.515	0.392	0.185	0.149	0.104	0.090	0.201	0.384	0.850B	28
29	0.560B		0.593	0.407	0.306	0.284	0.134	0.100	0.106	0.221	0.396	1.26	29
30	0.480B		0.562	0.335	0.277	0.510	0.134	0.102	0.111	0.249	0.348	4.24	30
31	0.410B		0.703		0.251		0.135	0.093		0.262		2.05 B	31
TOTAL	16.251	29.480	73.482	29.879	15.881	14.419	7.601	3.897	3.097	11.690	12.516	28.458	TOTAL
MEAN	0.524	1.05	2.37	0.996	0.512	0.481	0.245	0.126	0.103	0.377	0.417	0.918	MEAN
MAX	3.52	6.72	21.1	2.29	1.51	3.28	1.25	0.294	0.169	0.947	1.15	4.24	MAX
MIN	0.136	0.245	0.306	0.335	0.235	0.157	0.123	0.089	0.079	0.115	0.222	0.275	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.676
MAXIMUM DAILY, 21.1 ON MAR 12
MINIMUM DAILY, 0.079 ON SEP 08
MAXIMUM INSTANTANEOUS,
23.6 AT 06:44 EST ON MAR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 54 10 N
LONG 079 36 46 W
DRAINAGE AREA, 94.8 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 400	JUL	657
FEB	2 550	AUG	337
MAR	6 350	SEP	268
APR	2 580	OCT	1 010
MAY	1 370	NOV	1 080
JUN	1 250	DEC	2 460

TOTAL DISCHARGE, 21 300 dam³

EAST HUMBER RIVER NEAR PINE GROVE - STATION NO. 02HC009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.395B	0.800B	1.20 B	1.41	0.623	0.450	1.08	0.315	0.275	0.752	0.507	0.609	1
2	0.385B	0.730B	1.10 B	1.60	0.576	0.437	1.37	0.288	0.272	0.540	0.516	0.589	2
3	0.380B	0.690B	1.00 B	2.79	0.526	0.497	0.700	0.281	0.264	0.429	0.500	0.600B	3
4	0.460B	0.640B	0.950B	2.96	0.595	0.472	0.478	0.283	0.262	0.564	0.488	0.640B	4
5	0.640B	0.620B	0.890B	3.49	0.858	0.494	0.402	0.334	0.271	0.477	0.906	1.20 B	5
6	0.560B	0.600B	0.850B	2.69	1.15	0.458	0.354	0.297	0.284	0.473	1.90	1.63	6
7	0.500B	0.590B	0.800B	2.02	0.838	0.414	0.321	0.294	0.288	0.432	1.59	1.10 B	7
8	0.460B	1.50 B	0.770B	1.56	0.662	0.439	0.356	0.354	0.280	0.399	1.09	1.00 B	8
9	0.440B	5.50 B	0.760B	1.36	0.671	0.429	0.337	0.306	0.266	1.16	0.897	0.980B	9
10	0.500B	4.60 B	1.00 B	1.71	0.790	0.456	0.329	0.273	0.273	1.44	0.827	0.950B	10
11	0.470B	2.00 B	7.17	4.15	0.848	0.420	0.393	0.285	0.269	1.17	0.811	0.990B	11
12	0.450B	1.60 B	43.4	3.49	0.715	0.422	0.351	1.25	0.266	1.80	0.720	1.03 B	12
13	0.430B	1.40 B	28.0	2.34	0.824	0.508	0.307	1.25	0.268	2.17	0.681	0.960B	13
14	0.420B	1.50 B	19.4	1.94	0.784	0.617	0.298	0.600	0.425	1.39	0.637	0.880B	14
15	0.415B	1.20 B	10.0	1.98	0.688	4.94	0.573	0.712	0.372	0.933	0.598	1.05 B	15
16	0.400B	1.00 B	6.49	2.00	0.847	2.39	0.527	0.444	0.357	0.668	0.616	0.880B	16
17	1.50 B	0.900B	5.30	2.00	1.39	1.21	0.429	0.350	0.319	1.42	0.639	0.800B	17
18	6.50 B	0.840B	4.18	1.86	2.06	0.750	0.376	0.327	0.309	1.64	0.601	0.740B	18
19	3.70 B	0.700B	3.18	1.45	1.46	0.575	0.350	0.404	0.311	1.47	0.557	1.25 B	19
20	1.20 B	0.660B	2.52	1.56	2.12	0.482	0.450	0.373	0.306	1.08	0.523	1.00 B	20
21	1.17 B	0.630B	2.36	2.27	3.17	0.479	0.504	0.336	0.310	0.798	0.525	1.20 B	21
22	0.940B	3.75	2.35	2.13	2.10	0.478	0.514	0.307	0.307	0.665	0.721	2.00 B	22
23	0.820B	15.8	3.01	1.67	1.47	0.533	0.500	0.339	0.317	0.593	0.892	5.60	23
24	0.940B	6.00 B	2.62	1.42	1.14	0.586	0.462	0.301	0.301	0.545	0.986	4.25	24
25	1.22 B	2.20 B	1.88	1.25	0.918	0.548	0.408	0.286	0.306	0.492	0.880	2.10	25
26	3.05	1.70 B	1.70	1.12	0.767	0.476	0.357	0.280	0.310	0.474	0.779	1.20 B	26
27	2.18	1.45 B	1.39	1.03	0.666	0.428	0.336	0.387	0.292	0.469	0.759	1.04	27
28	1.70 B	1.35 B	1.27	0.914	0.605	0.381	0.329	0.440	0.297	0.453	0.748	1.29	28
29	1.30 B		1.17	0.817	0.589	0.823	0.304	0.327	0.368	0.477	0.753	3.40 B	29
30	1.10 B		1.17	0.705	0.531	0.566	0.344	0.297	0.905	0.470	0.675	11.3	30
31	0.960B		1.30		0.487		0.340	0.274		0.480		5.43	31
TOTAL	35.585	60.950	159.140	57.686	31.468	22.158	14.179	12.594	9.650	26.323	23.322	57.688	TOTAL
MEAN	1.15	2.18	5.13	1.92	1.02	0.739	0.457	0.406	0.322	0.849	0.777	1.86	MEAN
MAX	6.50	15.8	43.4	4.15	3.17	4.94	1.37	1.25	0.905	2.17	1.90	11.3	MAX
MIN	0.380	0.590	0.760	0.705	0.487	0.381	0.298	0.273	0.262	0.399	0.488	0.589	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.40
MAXIMUM DAILY, 43.4 ON MAR 12
MINIMUM DAILY, 0.262 ON SEP 04
MAXIMUM INSTANTANEOUS,
59.0 AT 11:39 EST ON MAR 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 47 22 N
LONG 079 35 06 W
DRAINAGE AREA, 197 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 070	JUL	1 230
FEB	5 270	AUG	1 090
MAR	13 700	SEP	834
APR	4 980	OCT	2 270
MAY	2 720	NOV	2 020
JUN	1 910	DEC	4 980

TOTAL DISCHARGE, 44 100 dam³

EAST OAKVILLE CREEK NEAR OMAGH - STATION NO. 02HB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.220B	1.40 B	1.60 B	1.03	0.322	0.355	0.190	0.139	0.146	0.309	0.308	0.598	1
2	0.250B	1.20 B	1.70 B	1.50	0.288	0.282	0.168	0.113	0.134	0.223	0.259	0.544	2
3	0.280B	1.00 B	1.40 B	2.85	0.277	0.334	0.137	0.092	0.125	0.186	0.255	0.686	3
4	0.320B	0.700B	1.20 B	2.59	0.284	0.410	0.121	0.092	0.113	0.257	0.257	4.69	4
5	1.80 B	0.680B	1.00 B	2.04	0.669	0.351	0.111	0.123	0.109	0.340	0.569	4.55	5
6	1.40 B	0.670B	0.900B	1.43	0.616	0.317	0.099	0.154	0.131	0.213	8.13	3.18	6
7	1.00 B	1.50 B	0.800B	1.19	0.475	0.295	0.090	0.143	0.142	0.174	3.55	2.16	7
8	0.800B	5.00 B	0.750B	1.07	0.409	0.308	0.117	0.116	0.139	0.205	1.81	1.82	8
9	0.600B	9.30 B	0.700B	0.982	0.356	0.466	0.211	0.094	0.141	0.462	1.36	1.82	9
10	1.50 B	5.00 B	0.800B	1.13	0.350	0.374	0.185	0.083	0.132	0.834	1.20	3.88	10
11	3.00 B	2.50 B	15.0 B	5.86	0.358	0.307	0.120	0.096	0.104	0.677	1.09	3.06	11
12	2.00 B	1.70 B	47.0 B	2.22	0.306	0.247	0.110	0.131	0.104	0.709	0.990	1.91	12
13	1.30 B	1.50 B	34.2	1.45	0.610	0.239	0.110	0.632	0.098	2.34	0.789	4.38	13
14	0.900B	1.40 B	22.4	1.39	0.752	0.230	0.113	0.523	0.091	1.18	0.722	2.94	14
15	0.550B	1.20 B	12.4	1.89	0.552	0.314	0.236	0.258	0.157	0.670	0.606	1.75	15
16	0.500B	1.30 B	8.54	1.59	2.44	0.215	0.308	0.193	0.147	0.453	0.561	1.37	16
17	3.50 B	1.10 B	5.96	1.86	11.1	0.178	0.179	0.144	0.118	0.915	0.542	1.28	17
18	12.0 B	1.00 B	3.84	1.51	7.98	0.179	0.122	0.116	0.095	1.21	0.497	2.72	18
19	4.94	0.970B	2.24	1.18	3.41	0.151	0.121	0.163	0.105	1.35	0.475	4.71	19
20	2.20 B	0.930B	1.71	1.08	12.2	0.138	0.136	0.247	0.133	0.905	0.471	2.60	20
21	1.40 B	0.900B	1.79	1.26	15.3	0.143	0.172	0.191	0.127	0.677	0.457	2.32	21
22	1.00 B	2.10 B	1.72	1.15	4.65	0.143	0.169	0.166	0.115	0.576	0.518	10.1	22
23	1.30 B	23.0 B	2.29	0.958	2.66	0.242	0.360	0.144	0.105	0.510	0.710	23.6	23
24	2.00 B	11.5	1.61	0.811	2.11	0.358	0.254	0.140	0.107	0.450	0.658	9.91	24
25	3.00 B	5.60 B	1.20	0.732	1.37	0.250	0.166	0.118	0.102	0.401	0.637	3.40 B	25
26	2.50 B	2.70 B	1.05	0.634	1.10	0.188	0.144	0.115	0.084	0.377	0.574	2.00 B	26
27	1.70 B	2.00 B	0.884	0.566	0.995	0.159	0.117	0.115	0.101	0.366	0.645	2.10 B	27
28	1.80 B	1.70 B	0.826	0.437	0.910	0.151	0.098	0.779	0.153	0.356	0.814	3.40 B	28
29	1.60 B		0.800	0.383	0.837	0.184	0.091	0.420	0.141	0.382	0.748	26.0 B	29
30	1.40 B		0.762	0.365	0.827A	0.220	0.116	0.237	0.267	0.391	0.637	47.6	30
31	1.30 B		0.986		0.481A		0.167	0.182		0.364		9.83	31
TOTAL	58.060	89.550	178.058	43.178	74.994	7.728	4.848	6.259	3.766	18.462	30.846	190.928	TOTAL
MEAN	1.87	3.20	5.74	1.44	2.42	0.258	0.156	0.202	0.126	0.596	1.03	6.16	MEAN
MAX	12.0	23.0	47.0	5.86	15.3	0.466	0.360	0.779	0.267	2.34	8.13	47.6	MAX
MIN	0.220	0.670	0.700	0.365	0.277	0.138	0.090	0.083	0.084	0.174	0.255	0.544	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.94
MAXIMUM DAILY, 47.6 ON DEC 30
MINIMUM DAILY, 0.083 ON AUG 10
MAXIMUM INSTANTANEOUS,
74.2 AT 02:00 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 29 55 N
LONG 079 46 40 W
DRAINAGE AREA, 199 km²

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	5 020	JUL	419
FEB	7 740	AUG	541
MAR	15 400	SEP	325
APR	3 730	OCT	1 600
MAY	6 480	NOV	2 670
JUN	668	DEC	16 500

TOTAL DISCHARGE, 61 100 dam³

EAST RIVER NEAR HUNTSVILLE - STATION NO. 02EB013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.73B	9.20B	5.25B	15.7	26.7	10.0	4.39	2.33	4.42	3.93	5.92	38.6	1
2	3.75B	9.30B	5.20B	15.8	22.9	8.80	4.28	2.24	4.18	4.33	5.65	30.7	2
3	3.80B	7.55B	5.10B	21.9	19.5	9.07	4.21	2.09	3.80	4.38	5.45	25.8 B	3
4	3.87B	7.00B	5.00B	28.4	16.6	7.60	3.86	1.94	4.66	4.66	5.25	21.8 B	4
5	3.90B	6.60B	4.95B	30.5	14.9	6.97	3.59	1.82	4.31	5.41	5.39	19.2 B	5
6	3.85B	6.29B	4.90B	28.8	13.4	6.35	3.26	1.73	4.22	5.48	7.94B	17.3 B	6
7	3.80B	5.95B	4.85B	25.6	12.4	5.98	2.87	1.75	4.22	5.78	10.6	16.2 B	7
8	3.71B	5.75B	4.75B	22.9	12.5	5.64	2.76	1.70	4.01	6.66	10.6	15.2	8
9	3.67B	5.60B	4.72B	20.8	12.6	5.44	3.18	1.60	3.88	8.60	9.36	14.2	9
10	3.62B	5.90B	4.66B	20.7	12.9	5.44	3.33	1.56	3.78	11.1	8.30	13.1	10
11	3.59B	6.30B	4.60B	22.4	14.2	5.46	3.25	1.49	3.76	12.9	7.93	12.3 B	11
12	3.54B	6.55B	4.85B	22.4	14.6	5.37	2.99	1.45	3.67	14.9	7.81	11.9 B	12
13	3.52B	6.60B	5.44B	21.2	13.9	5.23	2.80	1.44	3.58	15.4	7.23	11.3 B	13
14	3.52B	6.30B	8.40B	20.5	11.2	5.00	2.57	1.38	3.59	14.0	6.68B	10.7 B	14
15	3.50B	6.10B	14.4 B	20.4	4.12	4.70	2.58	1.35	3.88	12.4	6.31	10.2 B	15
16	3.52B	5.95B	30.5 B	21.3	4.78	4.50	2.64	5.46	3.99	11.2	6.72	9.80B	16
17	3.60B	5.85B	45.0 B	25.1	13.5	4.32	2.90	11.9	3.87	9.99	10.1	9.50B	17
18	4.80B	5.75B	54.0 B	26.7	28.5	4.26	2.71	7.47	3.65	11.8	13.3	9.20B	18
19	8.10B	5.65B	41.5 B	25.5	39.5	4.20	2.48	6.57	3.55	17.2	11.3	8.90B	19
20	11.1 B	5.60B	36.0 B	28.0	39.3	4.11	2.59	6.19	3.45	19.5	12.4	8.70B	20
21	12.0 B	5.60B	31.5 B	34.2	36.4	3.84	2.72	6.05	3.36	17.2	11.6	8.60B	21
22	11.7 B	5.90B	27.0 B	41.1	32.1	3.85	2.72	5.92	3.50	14.8	15.4	8.70B	22
23	11.2 B	5.95B	28.5 B	46.1	27.7	4.28	2.73	5.79	3.51	12.6	24.9	9.30B	23
24	10.5 B	5.90B	32.0 B	48.3	24.0	4.53	2.58	5.62	3.52	10.9	29.0	10.0 B	24
25	10.0 B	5.75B	30.0 B	52.7	21.1	4.53	2.42	5.48	3.56	9.45	25.9	10.0 B	25
26	10.4 B	5.65B	27.0 B	54.9	19.4	4.39	2.46	5.43	3.97	8.29	22.6	9.70B	26
27	11.4 B	5.50B	24.0 B	50.1	18.3	4.25	2.37	5.27	3.95	7.56	24.6	9.40B	27
28	12.0 B	5.45B	23.0 B	43.0	16.5	4.29	2.26	5.10	3.84	7.21	45.2	9.40B	28
29	11.8 B		21.7 B	35.9	14.5	4.22	2.17	4.96	3.84	6.93	59.5	9.70B	29
30	11.2 B		18.1	30.7	12.6	4.24	2.11	4.78	3.85	6.51	52.0	10.2 B	30
31	10.3 B		16.7		11.3		2.45	4.64		6.15		11.0 B	31
TOTAL	208.99	174.49	570.57	901.5	581.90	159.86	90.33	122.50	115.37	307.24	475.94	420.60	TOTAL
MEAN	6.74	6.23	18.4	30.1	18.8	5.33	2.91	3.95	3.85	9.91	15.9	13.6	MEAN
MAX	12.0	9.20	54.0	54.9	39.5	10.0	4.39	11.9	4.66	19.5	59.5	38.6	MAX
MIN	3.50	5.45	4.60	15.7	4.12	3.84	2.11	1.35	3.36	3.93	5.25	8.60	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.3
MAXIMUM DAILY, 59.5 ON NOV 29
MINIMUM DAILY, 1.35 ON AUG 15
MAXIMUM INSTANTANEOUS,
60.5 AT 15:02 EST ON NOV 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 23 33 N
LONG 079 09 33 W
DRAINAGE AREA, 593 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	18 100	JUL	7 800
FEB	15 100	AUG	10 600
MAR	49 300	SEP	9 970
APR	77 900	OCT	26 500
MAY	50 100	NOV	41 100
JUN	13 800	DEC	36 300

TOTAL DISCHARGE, 357 000 dam³

EELS CREEK BELOW APSLEY - STATION NO. 02HH001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.35B	2.85B	1.87B	13.2 E	9.99	2.76	1.44	2.28	2.64	2.24	2.79	6.84	1
2	2.20B	2.60B	1.77B	11.9 E	8.99	2.59	1.52	2.17	2.60	2.04	2.70	6.25	2
3	2.11B	2.45B	1.68B	10.5 E	7.88	2.53	1.38	2.21	2.46	1.87	2.58	5.61B	3
4	2.20B	2.70B	1.62B	11.0 E	7.04	2.63	1.27	2.35	2.35	1.81	2.48	5.63B	4
5	2.23B	2.95B	1.67B	11.7 E	6.49	2.52	1.19	2.84	2.25	1.93	2.52	5.86B	5
6	2.19B	2.90B	1.53B	13.3 E	6.08	2.17	1.10	2.88	2.40	1.92	3.69	6.44	6
7	2.12B	2.85B	1.49B	13.5 E	6.12	1.61	0.990	2.79	2.96	1.77	4.77	5.94	7
8	2.09B	2.80B	1.46B	11.4 E	6.39	1.47	0.963	2.64	3.03	1.61	5.02	5.66	8
9	2.05B	3.00B	1.44B	9.80E	6.27	1.60	1.12	2.51	2.95	1.82	4.73	5.38	9
10	2.02B	3.23B	1.42B	8.17E	6.41	1.86	1.11	2.43	2.82	2.45	4.47	5.21	10
11	2.00B	3.02B	1.50B	7.50E	7.17	1.89	0.997	2.63	2.65	3.58	4.30	5.90B	11
12	1.98B	2.88B	2.65B	6.75E	7.12	1.77	0.895	2.63	2.50	4.06	4.16	5.50B	12
13	1.97B	2.82B	4.04B	6.28	6.41	1.61	0.826	2.63	2.42	4.69	3.80	5.10B	13
14	1.96B	2.91B	6.15B	5.86	5.73	1.51	0.996	2.55	2.68	4.60	3.51	4.90B	14
15	1.95B	2.57B	9.12B	6.80	5.26	1.46	1.70	2.43	2.87	4.36	3.56	4.70B	15
16	1.94B	2.05B	11.4 B	7.68	4.60	1.44	3.56	2.34	2.78	4.06	3.67	4.62B	16
17	1.96B	1.91B	14.0 B	8.28	4.99	1.48	3.75	2.24	2.59	3.73	3.90	4.56B	17
18	2.87B	1.82B	15.7 B	8.40	7.59	1.47	3.32	2.17	2.44	3.84	3.92	4.54	18
19	3.61B	1.73B	14.2 B	7.53	8.25	1.44	2.83	2.16	2.31	4.84	3.72	4.82	19
20	3.52B	1.67B	11.4 B	6.84	9.44	1.31	2.75	1.98	2.22	4.81	3.59	3.80B	20
21	3.35B	1.62B	8.71B	6.88	10.2	1.38	2.72	1.84	2.07	4.42	3.51	4.24	21
22	3.08B	1.81B	7.67B	6.85	9.71	1.47	2.48	1.72	2.02	4.14	3.62	5.03	22
23	2.96B	2.63B	10.1 B	6.89	9.05	1.42	2.37	1.90	1.95	3.89	4.24	6.26	23
24	3.01B	2.71B	10.9 E	6.78	8.28	1.45	2.30	2.54	1.85	3.59	4.35	6.76B	24
25	3.16B	2.50B	9.90E	8.33	7.61	1.46	2.15	2.62	1.80	3.37	4.26	5.90B	25
26	3.33B	2.30B	8.11	12.1	6.93	1.36	2.08	2.56	1.77	3.16	4.26	5.59B	26
27	3.50B	2.17B	5.96	13.6	6.41	1.40	2.69	2.43	1.70	2.98	4.61	5.35B	27
28	3.41B	1.98B	4.86E	13.3	5.99	1.35	2.77	2.40	1.58	3.02	6.32	5.20B	28
29	3.26B		8.20E	12.0	5.35	1.34	2.64	2.30	1.52	3.20	7.19	5.20B	29
30	3.11B		14.6 E	10.9	3.56	1.38	2.53	2.28	2.04	3.16	7.31	12.3	30
31	3.00B		15.4 E		3.02		2.41	2.63		3.04		12.1	31
TOTAL	80.49	69.43	210.52	284.02	214.33	51.13	60.847	74.08	70.22	100.00	123.55	169.09	TOTAL
MEAN	2.60	2.48	6.79	9.47	6.91	1.70	1.96	2.39	2.34	3.23	4.12	5.45	MEAN
MAX	3.61	3.23	15.7	13.6	10.2	2.76	3.75	2.88	3.03	4.84	7.31	12.3	MAX
MIN	1.94	1.62	1.42	5.86	3.02	1.31	0.826	1.72	1.52	1.61	2.48	2.56	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.13
MAXIMUM DAILY, 15.7B ON MAR 18
MINIMUM DAILY, 0.826 ON JUL 13
MAXIMUM INSTANTANEOUS,
17.4B AT 15:16 EST ON MAR 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 38 30 N
LONG 078 08 07 W
DRAINAGE AREA, 241 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	6 950	JUL	5 260
FEB	6 000	AUG	6 400
MAR	18 200	SEP	6 070
APR	24 500	OCT	8 640
MAY	18 500	NOV	10 700
JUN	4 420	DEC	14 600

TOTAL DISCHARGE, 130 000 dam³

EKWAN RIVER BELOW NORTH WASHAGAMI RIVER - STATION NO. 04EA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.30B	4.25B	3.13B	3.70B	36.0B	177	46.1	15.5	8.57	12.4	23.3B	23.2 B	1
2	8.00B	4.18B	3.12B	3.70B	52.0B	168	44.0	14.4	8.99	12.4	24.0	22.3 B	2
3	7.70B	4.10B	3.10B	3.70B	70.0B	166	42.5	13.7	8.48	12.8	25.9	21.7 B	3
4	7.50B	4.03B	3.08B	3.70B	92.0B	162	40.6	13.2	8.94	16.5	25.0	20.7 B	4
5	7.30B	3.97B	3.05B	3.70B	118 B	156	38.7	12.5	9.28	22.2	24.5	20.0 B	5
6	7.10B	3.93B	3.03B	3.69B	145 B	151	36.3	13.3	9.18	26.6	24.0	19.3 B	6
7	6.90B	3.89B	3.01B	3.68B	165 B	149	34.5	13.1	9.27	30.8	21.7	18.7 B	7
8	6.70B	3.84B	3.01B	3.67B	188 B	145	34.2	12.4	8.73	32.9	24.5B	18.0 B	8
9	6.50B	3.80B	3.00B	3.65B	210 B	143	35.4	11.6	8.91	33.2	23.5B	17.3 B	9
10	6.35B	3.75B	3.00B	3.63B	225 B	142	34.7	11.0	8.38	32.5	23.0B	16.7 B	10
11	6.20B	3.70B	3.00B	3.61B	235 B	137	32.6	10.3	8.27	31.4	22.6B	16.2 B	11
12	6.05B	3.66B	3.01B	3.60B	250 B	134	30.7	9.70	8.38	30.8	22.1B	15.5 B	12
13	5.90B	3.62B	3.02B	3.60B	262 B	131	29.3	9.03	8.14	30.3	21.7B	15.1 B	13
14	5.80B	3.58B	3.03B	3.60B	273 B	126	28.0	8.76	7.97	29.5	21.3B	14.6 B	14
15	5.70B	3.54B	3.06B	3.60B	284 B	121	26.2	9.63	8.08	29.4	21.2B	14.2 B	15
16	5.60B	3.50B	3.10B	3.60B	297 B	116	24.6	9.36	8.23	29.3	21.1B	13.7 B	16
17	5.50B	3.47B	3.13B	3.60B	305 B	111	23.4	9.04	8.32	28.0	21.1B	13.3 B	17
18	5.40B	3.43B	3.17B	3.60B	316 B	105	22.1	8.77	8.18	26.7	21.2B	12.9 B	18
19	5.30B	3.40B	3.24B	3.60B	326	97.0	23.0	8.13	8.01	26.5	21.4B	12.6 B	19
20	5.20B	3.37B	3.32B	3.70B	328	90.4	23.9	7.65	9.52	25.0	21.7B	12.3 B	20
21	5.10B	3.34B	3.37B	3.80B	326	85.0	24.4	7.42	9.94	24.8	22.0B	11.9 B	21
22	5.00B	3.32B	3.45B	4.00B	316	79.5	23.8	7.34	10.9	21.6	22.2B	11.6 B	22
23	4.90B	3.29B	3.50B	4.30B	307	73.8	23.6	6.77	11.2	23.9	23.2B	11.2 B	23
24	4.80B	3.26B	3.55B	4.70B	295	68.4	22.7	6.43	11.2	23.7	24.3B	10.9 B	24
25	4.74B	3.23B	3.60B	5.60B	281	64.6	22.1	6.73	11.9	23.7B	26.3B	10.6 B	25
26	4.66B	3.20B	3.63B	6.60B	266	60.4	21.2	6.98	11.8	23.8B	26.9B	10.3 B	26
27	4.60B	3.18B	3.67B	8.00B	249	56.8	20.3	7.19	11.8	23.9	26.6B	10.0 B	27
28	4.52B	3.16B	3.68B	12.0 B	232	53.5	19.8	7.10	11.8	23.5B	25.9B	9.70B	28
29	4.45B		3.68B	19.0 B	215	50.3	18.6	7.54	12.0	23.1	24.8B	9.40B	29
30	4.38B		3.68B	26.0 B	201	48.4	17.7	8.33	12.9	21.8	24.0B	9.25B	30
31	4.30B		3.68B		189		16.6	8.60		22.5B		9.10B	31
TOTAL	180.45	100.99	101.10	166.93	7 054.0	3 368.1	881.6	302.20	288.07	775.5	701.0	451.95	TOTA
MEAN	5.82	3.61	3.26	5.56	228	112	28.4	9.75	9.60	25.0	23.4	14.6	MEAN
MAX	8.30	4.25	3.68	26.0	328	177	46.1	15.5	12.9	33.2	26.9	23.2	MAX
MIN	4.30	3.16	3.00	3.60	36.0	48.4	16.6	6.43	7.97	12.4	21.1	9.10	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 39.4
MAXIMUM DAILY, 328 ON MAY 20
MINIMUM DAILY, 3.00B ON MAR 09
MAXIMUM INSTANTANEOUS,
330 AT 05:00 EST ON MAY 20

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 48 30 N
LONG 084 55 20 W
DRAINAGE AREA, 10 400 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	15 600	JUL	76 200
FEB	8 730	AUG	26 100
MAR	8 740	SEP	24 900
APR	14 400	OCT	67 000
MAY	609 000	NOV	60 600
JUN	291 000	DEC	39 000

TOTAL DISCHARGE, 1 240 000 dam³

ENGLISH RIVER AT CARIBOU FALLS - STATION NO. 05QE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	427	478	407	345	217	251	400	534	456	249	428	362	1
2	412	425	408	367	204	267	342	564	437	426	356	380	2
3	468	464	367	316	157	292	448	545	430	274	265	361	3
4	453	381	382	362	159	280	484	543	439	346	401	360	4
5	477	454	441	350	159	254	441	442	409	308	383	368	5
6	428	410	417	316	162	301	460	439	424	299	399	249	6
7	443	445	430	328	157	341	447	462	441	359	374	308	7
8	455	440	365	298	157	296	475	384	406	313	379	390	8
9	438	427	377	371	157	308	465	419	391	329	410	281	9
10	437	438	427	376	159	345	549	497	406	354	384	445	10
11	442	416	412	342	173	321	481	470	438	311	385	400	11
12	450	448	421	333	171	416	425	471	455	332	377	272	12
13	426	447	429	353	200	385	412	499	382	242	365	358	13
14	419	421	326	288	204	378	418	494	375	244	314	331	14
15	392	445	412	267	194	262	461	501	301	291	320	417	15
16	357	440	473	258	232	350	441	448	372	355	353	383	16
17	410	424	361	302	236	313	384	581	337	318	345	351	17
18	422	426	337	235	201	350	460	560	311	198	347	326	18
19	432	421	463	178	290	359	466	540	363	429	369	377	19
20	439	409	389	229	380	338	473	523	343	349	363	238	20
21	453	441	424	192	279	524	511	547	372	360	341	398	21
22	409	473	443	242	241	417	348	559	407	364	397	408	22
23	413	430	414	262	297	446	363	503	342	443	366	394	23
24	359	420	377	263	290	474	488	514	350	406	366	396	24
25	421	422	392	263	303	384	415	492	319	441	367	419	25
26	423	435	397	215	292	425	494	495	314	357	450	383	26
27	403	424	328	507	295	372	546	507	378	390	511	409	27
28	420	419	308	287	301	483	512	480	293	288	467	386	28
29	437		375	88.9	240	497	540	457	369	323	442	385	29
30	426		331	166	335	386	553	422	246	363	383	421	30
31	457		347		317		429	475		362		409	31
TOTAL	13 248	12 123	12 180	8 699.9	7 159	10 815	14 131	15 367	11 306	10 623	11 407	11 342	TOT
MEAN	427	433	393	290	231	361	456	496	377	343	380	366	MEA
MAX	477	478	473	507	380	524	553	581	456	443	511	445	MAX
MIN	357	381	308	88.9	157	251	342	384	246	242	265	238	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 379
MAXIMUM DAILY, 581 ON AUG 17
MINIMUM DAILY, 88.9 ON APR 29

DATA CONTRIBUTED BY -
ONTARIO HYDRO

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 50 16 00 N
LONG 094 58 15 W
DRAINAGE AREA, 52 300 km²

REGULATED SINCE 1929

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 140 000	JUL	1 220 000
FEB	1 050 000	AUG	1 330 000
MAR	1 050 000	SEP	977 000
APR	752 000	OCT	918 000
MAY	619 000	NOV	986 000
JUN	934 000	DEC	980 000

TOTAL DISCHARGE, 12 000 000 dam³

ENGLISH RIVER AT EAR FALLS - STATION NO. 05QE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	340	337	300	153	59.1	50.6	135	393	317	312	261	321	1
2	340	337	297	154	51.0	51.2	130	392	318	323	251	320	2
3	350	337	292	155	44.3	47.9	133	391	316	339	258	320	3
4	361	336	302	156	46.0	89.8	131	389	316	346	273	319	4
5	360	335	296	144	48.5	109	133	389	286	328	236	319	5
6	359	333	293	137	49.0	102	144	389	315	326	199	319	6
7	356	334	293	145	52.7	98.9	149	388	315	301	201	319	7
8	357	333	296	148	52.4	100	151	389	310	323	202	317	8
9	358	332	292	145	49.1	102	152	389	312	346	228	314	9
10	358	329	291	117	49.3	101	138	388	266	351	267	317	10
11	356	329	291	115	49.4	100	75.1	387	154	311	263	316	11
12	352	330	290	121	49.3	101	107	388	156	302	259	317	12
13	355	328	264	105	48.6	101	182	387	153	297	274	315	13
14	352	329	209	99.2	48.6	100	212	382	155	292	273	313	14
15	352	345	205	102	49.5	100	214	387	152	291	284	312	15
16	351	358	205	100	50.7	97.4	226	386	156	281	293	314	16
17	352	357	203	102	50.2	100	257	367	150	275	271	314	17
18	352	358	204	101	49.6	99.2	259	325	153	276	268	312	18
19	351	354	203	100	46.6	100	259	324	201	278	259	311	19
20	351	354	204	70.3	52.0	98.3	287	294	330	281	297	311	20
21	351	352	203	52.1	48.8	101	312	324	329	274	328	311	21
22	348	350	202	50.5	49.6	102	313	322	326	277	325	308	22
23	335	323	203	50.1	49.3	99.3	305	323	324	274	319	312	23
24	348	304	204	49.8	52.0	99.2	310	321	324	273	323	309	24
25	343	301	203	49.8	53.2	98.6	309	322	325	276	321	312	25
26	347	305	153	50.5	51.7	98.2	351	320	322	316	323	310	26
27	346	302	154	52.2	48.9	101	394	321	321	313	322	310	27
28	344	304	150	49.7	51.0	100	394	317	312	273	319	307	28
29	341		149	50.7	47.8	125	389	318	314	273	323	305	29
30	339		147	50.7	49.9	137	391	320	312	265	322	307	30
31	340		147		55.2		390	317		261		305	31
TOTAL	10 845	9 326	7 145	2 975.6	1 553.3	2 910.6	7 309.1	11 048	8 040	9 254	8 342	9 716	TOTAL
MEAN	350	333	230	99.2	50.1	97.0	236	356	268	299	278	313	MEAN
MAX	361	358	302	156	59.1	137	394	393	330	351	328	321	MAX
MIN	335	301	147	49.7	44.3	47.9	75.1	294	150	261	199	305	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 242
MAXIMUM DAILY, 394 ON JUL 27
MINIMUM DAILY, 44.3 ON MAY 03

DATA CONTRIBUTED BY -
ONTARIO HYDRO

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 50 38 00 N
LONG 093 12 30 W
DRAINAGE AREA, 26 400 km²

REGULATED SINCE 1929

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	937 000	JUL	632 000
FEB	806 000	AUG	955 000
MAR	617 000	SEP	695 000
APR	257 000	OCT	800 000
MAY	134 000	NOV	721 000
JUN	251 000	DEC	839 000

TOTAL DISCHARGE, 7 640 000 dam³

ENGLISH RIVER AT MANITOU FALLS - STATION NO. 05QE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	181	410	336	247	136	188	251	499	378	367	345	365	1
2	345	417	341	247	197	136	229	497	376	365	439	334	2
3	404	419	352	168	162	145	262	497	302	352	437	334	3
4	388	355	382	209	152	215	290	506	338	325	274	366	4
5	412	418	342	203	182	228	243	503	346	367	170	381	5
6	412	414	338	186	182	264	327	501	347	366	179	310	6
7	410	427	371	192	162	234	314	503	356	401	249	353	7
8	426	417	387	186	174	190	334	504	407	403	283	429	8
9	423	360	355	216	187	270	330	503	346	414	325	367	9
10	419	419	376	189	263	206	315	500	287	430	326	387	10
11	416	404	341	93.9	305	256	341	503	185	461	269	342	11
12	418	394	289	102	219	225	301	501	204	431	333	373	12
13	358	405	264	124	247	277	336	505	155	444	331	402	13
14	436	414	248	101	239	333	356	506	223	422	363	360	14
15	369	408	264	85.6	237	287	324	509	159	348	349	385	15
16	311	410	305	178	209	258	341	453	300	385	348	380	16
17	456	400	250	171	202	279	320	455	196	352	364	377	17
18	455	451	318	98.8	254	267	330	350	160	360	333	368	18
19	435	373	330	93.0	240	280	402	369	241	400	319	384	19
20	436	385	298	144	244	261	391	376	174	327	339	376	20
21	436	365	266	94.2	215	140	455	430	342	342	364	358	21
22	423	380	293	125	193	293	454	404	295	349	380	405	22
23	395	373	277	123	224	280	438	424	247	361	432	433	23
24	403	383	281	129	198	332	449	395	391	329	301	382	24
25	406	377	309	153	258	233	460	388	373	338	228	340	25
26	405	394	269	204	137	259	474	424	443	352	392	416	26
27	420	355	178	39.3	233	236	504	356	468	394	374	387	27
28	399	348	225	181	205	195	502	364	386	354	385	351	28
29	419		183	106	213	398	491	403	362	332	384	398	29
30	411		207	142	193	265	500	383	372	336	396	364	30
31	403		197		196		500	401		325		404	31
TOTAL	12 430	11 074	9 162	4 530.8	5 458	7 430	11 574	13 914	9 159	11 532	10 011	11 610	TOTAL
MEAN	401	396	296	151	208	248	373	449	305	372	334	375	MEAN
MAX	456	451	387	247	305	398	504	509	468	461	439	433	MAX
MIN	181	348	178	39.3	136	136	229	350	155	325	170	310	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 326
MAXIMUM DAILY, 509 ON AUG 15
MINIMUM DAILY, 39.3 ON APR 27

DATA CONTRIBUTED BY -
ONTARIO HYDRO

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 50 35 01 N
LONG 093 27 15 W
DRAINAGE AREA, 37 000 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 070 000	JUL	1 000 000
FEB	957 000	AUG	1 200 000
MAR	792 000	SEP	791 000
APR	391 000	OCT	996 000
MAY	558 000	NOV	865 000
JUN	642 000	DEC	1 000 000

TOTAL DISCHARGE, 10 300 000 dam³

ENGLISH RIVER AT UMFREVILLE - STATION NO. 05QA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	28.9	27.7	26.0	30.6	81.8	134	121	80.7	51.3	30.9	34.3	32.7	1
2	29.0A	27.5A	25.6	30.9	88.2	130	119	79.5	49.5	30.3	34.4	32.6	2
3	29.0	27.5	25.3	31.4	94.3	133	118	78.7	49.6	32.2	34.2	32.6	3
4	28.7	27.5	25.0	31.9	101	136	116	77.7	49.0	33.6	33.8	32.8	4
5	28.4	27.6	24.9	32.1	106	138	114	75.8	48.2	32.7	33.7	33.2	5
6	28.2	27.3	24.8	32.5	112	140	112	74.4	46.9	32.2	33.7	33.3	6
7	28.4	27.3	24.9	33.0	117	141	117	73.0	45.3	32.2	33.4	33.5	7
8	28.5	27.2	24.7	33.5	123	141	119	71.2	45.0	32.5	33.6	33.4	8
9	28.1	27.2	24.6	33.8	128	141	119	68.8	43.7	32.7	33.9	33.6	9
10	28.3	27.3	24.5	34.0	132	141	118	67.0	42.4	32.7	33.4	33.2	10
11	29.1	27.0	24.2	34.2	136	140	118	66.2	42.0	33.1	32.6	33.2	11
12	28.9	27.1	24.4	34.7	138	139	118	64.7	40.4	33.1	31.9	33.5	12
13	28.6	26.9	25.0	34.8	140	136	117	63.9	39.6	33.2	31.7	33.5	13
14	28.6	26.6A	25.2	35.2	142	133	115	62.2	38.6	33.4	31.6	33.7	14
15	28.5	26.6	25.7	36.2	145	130	113	59.7	38.0	33.7	31.5	33.8	15
16	28.5	26.5	26.0	36.6	146	128	111	59.7	36.6	33.7	31.3	33.6	16
17	28.3	26.3A	26.9	36.9	148	126	109	58.6	36.4	32.8	31.0	33.5	17
18	28.6	26.7	27.0	37.5	150	129	107	56.6	36.2	32.5	31.0	33.0	18
19	28.0	26.7	27.3	38.4	151	130	104	55.9	35.7	33.4	30.7	32.8A	19
20	27.9	26.6	27.4	38.7	151	132	101	55.2	34.6	34.2	30.6	33.5	20
21	28.0	26.7	27.6	39.6	152	132	99.0	54.3	34.6	34.4	31.4	33.6	21
22	28.3	26.5	27.9	40.7	152	132	96.9	53.7	34.3	34.6	32.2	34.1	22
23	28.0	26.2	27.9	42.4	152	132	95.0	53.2	34.1	34.7	31.7	34.2A	23
24	28.3	25.9	28.3	45.2	151	131	93.4	52.8	33.9	34.8	31.3	34.2	24
25	28.2	25.8	28.5	48.3	150	130	91.5	51.6	33.5	34.9	31.2	34.2	25
26	28.1	26.0	28.4	51.9	149	130	89.4	50.8	33.2	35.1	31.0	33.9A	26
27	28.2	26.0	28.6	54.7	147	129	87.4	51.1	32.6	34.9	31.2	34.1	27
28	27.8	25.9	28.9	60.1	143	127	86.0	52.4	31.9	34.4	31.7	34.5	28
29	27.8		29.0	68.0	141	126	84.7	52.1	30.8	34.6	32.2	34.3	29
30	27.9		29.5	75.3	139	123	82.9	51.9	30.8	34.4	32.6	33.9A	30
31	27.7		30.4		136		81.6	52.2		34.3		33.8	31
TOTAL	878.4	750.1	824.4	1 213.1	4 142.3	3 990	3 273.8	1 925.6	1 178.7	1 035.8	968.8	1 039.9	TOTAL
MEAN	28.3	26.8	26.6	40.4	134	133	106	62.1	39.3	33.4	32.3	33.5	MEAN
MAX	29.1	27.7	30.4	75.3	152	141	121	80.7	51.3	35.1	34.4	34.5	MAX
MIN	27.7	25.8	24.2	30.6	81.8	123	81.6	50.8	30.8	30.3	30.6	32.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 58.1
MAXIMUM DAILY, 152 ON MAY 21
MINIMUM DAILY, 24.2 ON MAR 11
MAXIMUM INSTANTANEOUS,
152 AT 14:30 CST ON MAY 21

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 30 N
LONG 091 27 30 W
DRAINAGE AREA, 6 230 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	75 900	JUL	283 000
FEB	64 800	AUG	166 000
MAR	71 200	SEP	102 000
APR	105 000	OCT	89 500
MAY	358 000	NOV	83 700
JUN	345 000	DEC	89 800

TOTAL DISCHARGE, 1 830 000 dam³

ERAMOSA RIVER ABOVE GUELPH - STATION NO. 02GA029

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.578B	2.30B	2.50B	2.96	1.77	1.53	1.45	0.743	0.718	1.46	1.37	2.45	1
2	0.569B	2.59B	2.61B	3.18	1.73	1.47	1.19	0.736	0.633	1.50	1.44	2.28	2
3	0.622B	3.08B	2.48B	3.58	1.63	1.54	1.01	0.622	0.573	1.22	1.41	2.26	3
4	0.775B	2.62B	2.36B	3.78	1.71	1.68	0.736	0.551	0.532	1.15	1.46	2.82B	4
5	0.990B	2.29B	2.27B	3.48	2.00	1.52	0.689	0.531	0.478	1.33	1.84	3.40B	5
6	0.842B	2.21B	2.18B	3.00	2.59	1.48	0.713	0.553	0.470	1.47	4.49	3.94B	6
7	0.760B	2.46B	2.10B	2.49	2.40	1.36	0.797	0.544	0.490	1.36	5.67	3.47B	7
8	0.722B	2.85B	2.04B	2.35	2.02	1.28	0.710	0.514	0.516	1.18	5.02	3.18	8
9	0.708B	3.31B	1.88	2.22	1.86	1.38	0.787	0.465	0.509	1.51	3.76	2.79	9
10	0.885B	4.60B	1.92	2.47	1.84	1.44	0.783	0.439	0.487	3.28	3.01	2.76	10
11	0.804B	3.51B	3.05	3.92	1.95	1.31	0.684	0.558	0.507	4.13	2.68	2.67B	11
12	0.756B	2.95B	9.26	4.14	1.93	1.21	0.653	1.29	0.497	4.04	2.52	2.58B	12
13	0.706B	2.62B	21.5	3.27	2.10	1.10	0.664	1.91	0.462	4.50	2.35	2.91	13
14	0.677B	2.21B	30.0 A	2.90	2.48	1.05	0.743	2.30	0.447	4.04	2.24	3.77	14
15	0.736B	2.01B	18.1 E	3.08	2.34	1.05	0.865	1.89	0.886	3.08	2.12	2.88B	15
16	0.904B	2.12B	13.9 E	3.18	2.29	0.988	1.33	1.34	1.11	2.48	2.36	2.48B	16
17	1.34 B	5.61B	11.1	3.10	3.69	0.886	1.16	0.981	0.994	2.46	2.55	2.57	17
18	1.99 B	7.25B	8.67	2.92	4.95	0.830	1.14	0.801	0.800	3.14	2.45	2.73	18
19	1.93 B	1.96B	6.24B	2.61	4.49	0.715	1.05	0.799	0.640	3.81	2.13	3.70	19
20	3.12 B	1.78B	4.44B	2.53	4.56	0.719	0.905	0.847	0.632	3.57	1.97	3.56B	20
21	2.49 B	1.64B	3.87B	3.11	6.10	0.642	0.953	0.845	0.635	2.96	1.87	3.03B	21
22	2.23 B	1.82B	4.06	3.37	5.73	0.768	0.928	0.760	0.639	2.58	2.05	4.08	22
23	1.97 B	2.56B	5.06	2.81	4.21	1.06	1.05	0.683	0.649	2.29	2.75	6.50B	23
24	1.82 B	5.12B	4.97B	2.44	3.15	1.70	1.04	0.659	0.637	1.84	3.26	5.83B	24
25	3.26 B	4.58B	4.07B	2.59	2.68	1.92	0.947	0.635	0.625	1.81	3.11	4.36B	25
26	3.13 B	3.94B	3.44B	2.41	2.42	1.40	0.782	0.588	0.615	1.78	2.73	3.60B	26
27	3.01 B	3.29B	2.90B	2.29	2.16	1.19	0.641	0.588	0.549	1.84	2.60	3.42B	27
28	2.91 B	2.92B	2.62B	2.16	2.01	1.03	0.679	0.989	0.525	1.61	2.77	4.18B	28
29	2.77 B		2.38B	2.02	1.90	1.07	0.551	1.23	0.519	1.55	3.06	5.18	29
30	2.58 B		2.66	1.90	1.80	1.30	0.564	1.13	0.746	1.39	2.70	13.6	30
31	2.12 B		2.74		1.67		0.680	0.850		1.40		15.0	31
TOTAL	50.704	78.20	187.57	86.26	84.16	36.618	26.874	27.371	18.520	71.76	79.74	127.98	TOTAL
MEAN	1.64	2.79	6.05	2.88	2.71	1.22	0.867	0.883	0.617	2.31	2.66	4.13	MEAN
MAX	3.93	5.12	30.0	4.14	6.10	1.92	1.45	2.30	1.11	4.50	5.67	15.0	MAX
MIN	0.569	1.64	1.88	1.90	1.63	0.642	0.551	0.439	0.447	1.15	1.37	2.26	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.40
MAXIMUM DAILY, 30.0A ON MAR 14
MINIMUM DAILY, 0.439 ON AUG 10

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 32 52 N
LONG 080 10 59 W
DRAINAGE AREA, 236 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 380	JUL	2 320
FEB	6 760	AUG	2 360
MAR	16 200	SEP	1 600
APR	7 450	OCT	6 200
MAY	7 270	NOV	6 890
JUN	3 160	DEC	11 100

TOTAL DISCHARGE, 75 700 dam³

ETOBICOKE CREEK AT BRAMPTON - STATION NO. 02HC017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.39	0.527	0.290	0.324	0.091	0.263	0.130	0.037	0.053	0.201	0.078	0.160	1
2	0.370	2.04	0.531	0.671	0.085	0.093	0.074	0.031	0.053	0.173	0.074	0.136	2
3	0.629	0.750B	0.420B	1.22	0.083	0.405	0.145	0.033	0.043	0.071	0.106	0.630	3
4	4.18	0.740B	0.310B	0.860	0.125	0.226	0.221	0.034	0.117	0.477	0.073	1.54	4
5	2.20 B	0.359	0.240B	0.618	0.735	0.238	0.220	0.177	0.133	0.166	2.09	1.14	5
6	1.10 B	0.287	0.160B	0.359	0.201	0.320	0.180	0.051	0.046	0.071	2.42	0.960	6
7	0.800B	0.392	0.120B	0.247	0.182	0.248	0.039	0.121	0.044	0.071	0.948	0.633	7
8	0.640B	1.89	0.190B	0.186	0.251	0.611	0.079	0.131	0.038	0.166	0.454	0.484	8
9	1.94	4.84	0.178	0.168	0.191	0.093	0.204	0.033	0.037	1.74	0.301	0.504	9
10	5.48	1.82	0.691	0.725	0.305	0.067	0.222	0.029	0.124	0.825	0.251	0.924	10
11	2.24	0.800B	8.17	0.966	0.099	0.147	0.207	0.182	0.121	0.653	0.223	0.877	11
12	1.09	0.456	18.1	0.504	0.107	0.259	0.202	2.56	0.032	2.28	0.206	0.531	12
13	0.695	0.503	8.15	0.316	0.446	0.469	0.179	1.26	0.031	0.997	0.163	2.05	13
14	0.217	0.438	4.42	0.362	0.120	0.232	0.037	0.274	0.409	0.488	0.142	1.26	14
15	0.513	0.189	2.36	0.335	0.141	0.196	1.04	0.353	0.217	0.350	0.130	0.585	15
16	0.586	0.299	1.67	0.338	0.927	0.047	0.150	0.202	0.049	0.255	0.153	0.393	16
17	6.90 B	0.260	1.42	0.338	1.62	0.046	0.330	0.084	0.113	1.22	0.135	0.317	17
18	8.00 B	0.314	0.952	0.255	0.936	0.128	0.220	0.339	0.121	1.13	0.121	0.939	18
19	1.17	0.225	0.665	0.193	0.607	0.212	0.209	0.756	0.068	0.728	0.108	1.49	19
20	0.867	0.237	0.433	0.414	4.01	0.201	0.380	0.272	0.052	0.371	0.099	0.788	20
21	0.429	0.258	0.431	0.286	2.99	0.200	0.052	0.227	0.041	0.239	0.098	0.953	21
22	0.273	2.98	0.638	0.263	0.949	0.294	0.270	0.098	0.076	0.265	0.413	1.99	22
23	0.193	6.03	1.23	0.224	0.539	0.449	0.309	0.079	0.058	0.225	0.191	6.18	23
24	2.13	2.80	0.628	0.201	0.364	0.134	0.129	0.070	0.118	0.119	0.216	2.15	24
25	2.76	1.12 B	0.354	0.166	0.282	0.056	0.038	0.058	0.127	0.106	0.230	1.19 B	25
26	2.49	0.960B	0.290	0.160	0.217	0.113	0.033	0.052	0.043	0.096	0.183	0.938B	26
27	0.971	0.506	0.220	0.138	0.184	0.220	0.032	0.389	0.036	0.099	0.273	0.779B	27
28	1.02	0.300	0.178	0.126	0.171	0.207	0.031	1.10	0.034	0.102	0.260	0.355	28
29	0.733		0.138	0.111	0.247	0.765	0.032	0.082	0.096	0.168	0.245	8.15	29
30	0.499		0.276	0.096	0.314	0.420	0.380	0.069	1.22	0.179	0.202	11.4	30
31	0.309		0.231		0.313		0.197	0.068		0.082		2.28	31
TOTAL	52.814	32.320	54.092	11.170	17.840	7.359	5.971	9.251	3.750	14.114	10.586	52.706	TOTAL
MEAN	1.70	1.15	1.74	0.372	0.576	0.245	0.193	0.298	0.125	0.455	0.353	1.70	MEAN
MAX	8.00	6.03	18.1	1.22	4.01	0.765	1.04	2.56	1.22	2.28	2.42	11.4	MAX
MIN	0.193	0.189	0.120	0.096	0.083	0.046	0.031	0.029	0.031	0.071	0.073	0.136	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.745
MAXIMUM DAILY, 18.1 ON MAR 12
MINIMUM DAILY, 0.029 ON AUG 10
MAXIMUM INSTANTANEOUS,
25.2 AT 00:23 EST ON DEC 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 41 29 N
LONG 079 45 35 W
DRAINAGE AREA, 63.2 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 560	JUL	516
FEB	2 790	AUG	799
MAR	4 670	SEP	324
APR	965	OCT	1 220
MAY	1 540	NOV	915
JUN	636	DEC	4 550

TOTAL DISCHARGE, 23 500 dam³

ETOBICOKE CREEK BELOW QUEEN ELIZABETH HIGHWAY - STATION NO. 02HC030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.950B	1.73	1.60 B	0.857	0.463	0.573	2.14 E	0.408	0.327	0.943	0.364	0.540	1
2	0.900B	3.55	3.91	2.35	0.442	0.495	0.458	0.313	0.304	0.768	0.348	0.445	2
3	0.940B	0.900B	2.40 B	3.28	0.444	2.49	0.382	0.284	0.259	0.414	0.343	2.91	3
4	5.50 B	0.600B	0.750B	3.23	0.658	1.67	0.441	0.271	0.265	4.75	0.352	11.4	4
5	2.50 B	0.550B	0.660B	1.97	4.59	0.558	0.632	3.25	0.363	1.35	7.59	3.49	5
6	0.950B	1.72 B	0.630B	1.30	0.893	0.967	0.515	0.558	0.370	0.429	9.74	2.79	6
7	0.850B	3.05 B	0.600B	0.913	0.558	0.552	0.421	0.317	0.385	0.303	2.32	2.39	7
8	0.800B	5.23	1.20 B	0.726	0.522	2.43	0.486	0.345	0.315	1.68	1.43	2.33	8
9	1.10 B	8.92	1.88	0.676	0.492	1.21	1.45	0.351	0.278	9.28	0.913	2.37	9
10	7.50 B	4.43	3.81	6.99	2.30	0.431	0.441	0.280	0.301	4.49	1.01	4.11	10
11	2.20 B	1.75 B	16.4	5.61	0.776	0.362	0.438	0.951	0.355	3.03	0.671	2.58	11
12	0.540B	1.45 B	41.2	2.03	0.496	0.474	0.441	11.7	0.343	12.7	0.731	1.83	12
13	0.470B	2.28	14.6	1.27	4.43	2.29	0.421	15.4	0.279	6.89	0.583	3.68	13
14	0.430B	2.86	10.0	2.15	1.08	0.582	0.372	2.25	2.25	1.92	1.20 E	2.70	14
15	0.520B	0.800B	5.19	2.06	0.559	0.505	6.01 E	2.86	2.83	1.11	0.480	1.75	15
16	0.700B	1.20 B	4.23	1.28	9.34	0.435	0.932	3.43	0.403	0.885	0.569	1.78	16
17	7.50 B	1.40 B	3.67	2.71	6.57	0.331	0.553	0.605	0.302	7.76	0.533	1.15	17
18	12.0 B	1.20 B	2.65	1.16	2.78	0.622	1.67 E	0.515	0.340	4.95	0.419	5.02	18
19	2.76	1.10	2.45	0.919	1.81	0.421	0.542	5.32	0.742	2.28	0.402	3.89	19
20	1.34	1.00 B	1.82	2.88	16.9	0.491	4.16 E	1.12	0.446	1.21	0.432	2.07	20
21	1.05	1.40 B	1.54	3.17	5.90	0.560	0.799	0.675	0.314	0.712	0.428	5.80	21
22	1.12	21.0 B	1.73	1.18	2.53	1.23	2.96	0.502	0.621	0.561	2.44	6.95	22
23	0.830B	21.7	1.02	0.924	1.58	3.84	4.95	0.444	0.582	0.581	1.12	21.9	23
24	6.81	5.60	1.92	0.790	1.09	2.25	0.704	0.412	0.308	0.486	0.674	5.14	24
25	5.75	2.50 B	1.13	0.720	0.853	0.558	0.472	0.365	0.391	0.437	0.791	2.35 B	25
26	4.43	1.50 B	0.898	0.790	0.673	0.436	0.364	0.322	2.60	0.413	0.522	1.47 B	26
27	1.93	1.30 B	0.772	0.649	0.541	1.25	0.311	0.425	0.373	0.371	1.70	0.767B	27
28	1.91	1.20 B	0.689	0.568	0.543	0.498	0.288	6.90	0.309	0.480	0.888	1.24	28
29	1.50		0.649	0.512	0.666	3.73	0.261	0.674	0.294	0.354	0.702	29.0	29
30	1.69		1.73	0.490	0.615	1.63 E	1.65	0.434	8.50	0.437	0.564	25.3	30
31	1.38		1.35		0.599		1.73	0.352		0.423		4.64	31
TOTAL	78.850	101.920	135.078	54.154	71.693	33.871	37.394	62.033	25.749	72.397	40.259	163.782	TOTAL
MEAN	2.54	3.64	4.36	1.81	2.31	1.13	1.21	2.00	0.858	2.34	1.34	5.28	MEAN
MAX	12.0	21.7	41.2	6.99	16.9	3.84	6.01	15.4	8.50	12.7	9.74	29.0	MAX
MIN	0.430	0.550	0.600	0.490	0.442	0.331	0.261	0.271	0.259	0.303	0.343	0.445	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.40
MAXIMUM DAILY, 41.2 ON MAR 12
MINIMUM DAILY, 0.259 ON SEP 03
MAXIMUM INSTANTANEOUS,
62.2 AT 13:03 EST ON DEC 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 36 02 N
LONG 079 33 24 W
DRAINAGE AREA, 204 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 810	JUL	3 230
FEB	8 910	AUG	5 360
MAR	11 700	SEP	2 220
APR	4 680	OCT	6 260
MAY	6 190	NOV	3 480
JUN	2 930	DEC	14 200

TOTAL DISCHARGE, 75 900 dam³

EYE RIVER NEAR COULSON LAKE NORTH OF ATIKOKAN - STATION NO. 05PB022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.079B	0.068B	0.063B	0.396	3.23	0.110	0.665	0.071	0.009	0.034	0.096	0.167	1
2	0.078B	0.067B	0.063B	0.469	2.35	0.120	0.518	0.063	0.009	0.036	0.093	0.156	2
3	0.078B	0.067B	0.062B	0.520	1.82	0.228	0.390	0.060	0.008	0.112	0.087	0.143	3
4	0.077B	0.067B	0.062B	0.577	1.41	0.619	0.305	0.065	0.008	0.305	0.082	0.135	4
5	0.077B	0.067B	0.062B	0.538	1.09	1.03	0.256	0.062	0.007	0.335	0.078	0.131	5
6	0.077B	0.066B	0.062B	0.496	0.850	1.08	0.204	0.060	0.006	0.304	0.075	0.131	6
7	0.076B	0.066B	0.062B	0.446	0.687	1.01	0.192	0.058	0.005	0.272	0.070	0.132	7
8	0.076B	0.066B	0.062B	0.403	0.559	0.857	0.200	0.054	0.005	0.269	0.067	0.131	8
9	0.076B	0.066B	0.062B	0.383	0.480	0.829	0.202	0.051	0.004	0.242	0.067	0.128	9
10	0.075B	0.065B	0.062B	0.369	0.429	0.893	0.200	0.048	0.004	0.209	0.065	0.122	10
11	0.075B	0.065B	0.066B	0.356	0.394	0.829	0.186	0.048	0.004	0.181	0.065	0.116	11
12	0.075B	0.065B	0.080B	0.341	0.361	0.690	0.166	0.041	0.011	0.162	0.065	0.120	12
13	0.074B	0.065B	0.100B	0.339	0.323	0.590	0.144	0.037	0.013	0.149	0.066	0.125	13
14	0.074B	0.065B	0.124B	0.343	0.305	0.495	0.129	0.032	0.017	0.151	0.069	0.120	14
15	0.073B	0.065B	0.183	0.356	0.282	0.397	0.111	0.025	0.025	0.135	0.073	0.116	15
16	0.073B	0.065B	0.240	0.375	0.265	0.322	0.093	0.022	0.036	0.114	0.079	0.111	16
17	0.073B	0.064B	0.275	0.372	0.283	0.303	0.083	0.022	0.043	0.117	0.081	0.106	17
18	0.072B	0.064B	0.337	0.372	0.314	0.385	0.074	0.021	0.044	0.126	0.083	0.099	18
19	0.072B	0.064B	0.452	0.394	0.333	0.496	0.056	0.018	0.044	0.117	0.084	0.093	19
20	0.071B	0.064B	0.619	0.546	0.317	0.639	0.046	0.017	0.038	0.108	0.086	0.112	20
21	0.071B	0.064B	0.710	0.895	0.282	0.749	0.041	0.016	0.034	0.109	0.123	0.121	21
22	0.070B	0.064B	0.651	1.19	0.257	0.770	0.044	0.016	0.039	0.115	0.159	0.127	22
23	0.070B	0.064B	0.557	1.28	0.238	0.668	0.053	0.015	0.044	0.110	0.171	0.125	23
24	0.070B	0.063B	0.483	1.35	0.226	0.533	0.060	0.014	0.047	0.106	0.173	0.122	24
25	0.069B	0.063B	0.427	1.48	0.215	0.418	0.063	0.016	0.049	0.101	0.169	0.122	25
26	0.069B	0.063B	0.389	1.64	0.202	0.382	0.060	0.017	0.045	0.095	0.159	0.113	26
27	0.069B	0.063B	0.358	2.36	0.186	0.436	0.057	0.015	0.041	0.105	0.160	0.110	27
28	0.069B	0.063B	0.330	2.80	0.168	0.464	0.061	0.014	0.037	0.109	0.168	.110	28
29	0.068B		0.312	4.93 E	0.149	0.505	0.090	0.013	0.036	0.109	0.169	.112E	29
30	0.068B		0.297	4.92 E	0.134	0.650	0.091	0.011	0.033	0.105	0.169	0.113	30
31	0.068B		0.310		0.124		0.081	0.010		0.101		0.108E	31
TOTAL	2.262	1.818	7.922	31.436	18.263	17.497	4.921	1.032	0.745	4.643	3.151	3.777	TOTAL
MEAN	0.073	0.065	0.256	1.05	0.589	0.583	0.159	0.033	0.025	0.150	0.105	0.122	MEAN
MAX	0.079	0.068	0.710	4.93	3.23	1.08	0.665	0.071	0.049	0.335	0.173	0.167	MAX
MIN	0.068	0.063	0.062	0.339	0.124	0.110	0.041	0.010	0.004	0.034	0.065	0.093	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.267
MAXIMUM DAILY, 4.93E ON APR 29
MINIMUM DAILY, 0.004 ON SEP 09
MAXIMUM INSTANTANEOUS,
5.76E AT 20:48 CST ON APR 29

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 53 40 N
LONG 091 40 03 W
DRAINAGE AREA, 27.9 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	195	JUL	425
FEB	157	AUG	89.2
MAR	684	SEP	64.4
APR 2	720	OCT	401
MAY 1	580	NOV	272
JUN 1	510	DEC	326

TOTAL DISCHARGE, 8 420 dam³

EYE RIVER NEAR HARDTACK LAKE NORTH OF ATIKOKAN - STATION NO. 05PB021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.051A	0.040	0.039	0.344	2.04	0.052	0.508	0.042	0.015	0.018	0.061	0.088	1
2	0.050	0.040	0.039	0.417	1.59	0.078	0.327	0.037	0.014	0.016	0.060	0.087	2
3	0.049	0.040	0.039	0.446	1.24	0.430	0.258	0.039	0.011	0.146	0.057	0.086	3
4	0.048	0.040	0.039	0.418	0.928	1.02	0.216	0.047	0.010	0.146	0.056	0.085	4
5	0.047	0.040	0.039	0.378	0.678	0.947	0.166	0.038	0.008	0.122	0.053	0.084	5
6	0.046	0.040	0.039	0.324	0.505	0.905	0.134	0.035	0.007	0.123	0.052	0.083	6
7	0.045	0.040	0.039	0.274	0.393	0.721	0.128	0.029	0.005	0.161	0.048	0.082	7
8	0.044	0.040	0.039	0.250	0.318	0.569	0.178	0.025	0.005	0.105	0.047	0.081	8
9	0.043	0.040	0.041	0.244	0.294	0.738	0.196	0.025	0.005	0.091	0.049	0.080	9
10	0.043	0.040	0.043	0.234	0.275	0.740	0.166	0.026	0.004	0.082	0.051	0.079	10
11	0.042	0.040	0.048	0.227	0.240	0.545	0.138	0.031	0.005	0.076	0.051	0.078	11
12	0.042	0.040	0.056	0.220	0.211	0.449	0.117	0.024	0.010	0.071	0.052	0.078	12
13	0.042	0.040	0.065	0.230	0.196	0.379	0.102	0.020	0.013	0.065	0.056	0.077	13
14	0.042	0.040	0.076	0.247	0.173	0.303	0.087	0.020	0.016	0.061	0.062	0.076	14
15	0.042	0.039	0.138	0.268	0.154	0.249	0.078	0.056	0.022	0.054	0.063	0.075	15
16	0.042	0.039	0.225	0.269	0.162	0.196	0.070	0.009	0.022	0.052	0.062	0.075	16
17	0.042	0.039	0.308	0.266	0.189	0.218	0.075	0.010	0.014	0.055	0.060	0.074	17
18	0.042	0.039	0.477	0.269	0.226	0.413	0.075	0.012	0.011	0.056	0.059	0.073	18
19	0.042	0.039	0.562	0.368	0.221	0.546	0.056	0.009	0.013	0.048	0.056	0.072	19
20	0.042	0.039	0.537	0.709	0.189	0.586	0.060	0.007	0.011	0.052	0.059	0.072	20
21	0.041	0.039	0.464	1.07	0.159	0.642	0.057	0.007	0.014	0.066	0.099	0.071	21
22	0.041	0.039	0.383	1.13	0.142	0.552	0.071	0.007	0.025	0.066	0.098	0.070	22
23	0.041	0.039	0.313	1.09	0.138	0.397	0.070	0.007	0.022	0.064	0.097	0.069	23
24	0.041	0.039	0.271	1.23	0.134	0.286	0.059	0.006	0.017	0.068	0.095	0.068	24
25	0.041	0.039	0.264	1.27	0.121	0.235	0.049	0.018	0.015	0.064	0.094	0.068	25
26	0.041	0.039	0.215	2.00	0.111	0.393	0.044	0.024	0.012	0.063	0.093	0.067	26
27	0.041	0.039	0.197	2.16	0.100	0.455	0.042	0.020	0.013	0.075	0.092	0.066	27
28	0.040	0.039	0.189	2.49	0.094	0.399	0.054	0.015	0.011	0.071	0.091	0.066	28
29	0.040		0.180	3.13 E	0.084	0.727	0.070	0.013	0.012	0.064	0.090	0.065	29
30	0.040		0.205	2.87	0.075	0.804	0.059	0.011	0.015	0.064	0.089	0.065	30
31	0.040		0.280		0.067		0.046	0.015		0.062		0.064	31
TOTAL	1.333	1.106	5.849	25.842	11.437	14.974	3.756	0.684	0.377	2.330	2.052	2.324	TOTAL
MEAN	0.043	0.040	0.189	0.861	0.369	0.499	0.121	0.022	0.013	0.075	0.068	0.075	MEAN
MAX	0.051	0.040	0.562	4.13	2.04	1.02	0.508	0.056	0.025	0.161	0.099	0.088	MAX
MIN	0.040	0.039	0.039	0.220	0.067	0.052	0.042	0.006	0.004	0.016	0.047	0.064	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.197
MAXIMUM DAILY, 4.13E ON APR 29
MINIMUM DAILY, 0.004 ON SEP 10
MAXIMUM INSTANTANEOUS,
4.47E AT 06:12 CST ON APR 29

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 55 30 N
LONG 091 39 44 W
DRAINAGE AREA, 19.8 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	115	JUL	325
FEB	95.6	AUG	59.1
MAR	505	SEP	32.6
APR 2	230	OCT	201
MAY	988	NOV	177
JUN 1	290	DEC	201

TOTAL DISCHARGE, 6 220 dam³

FAIRCHILD CREEK NEAR BRANTFORD - STATION NO. 02GB007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.760B	4.20B	5.00B	4.30	1.59	1.60	0.859	0.914	1.91	1.02	1.35	2.15	1
2	0.720B	3.80B	3.60B	4.68	1.42	1.40	0.772	0.817	1.58	0.939	1.31	1.84	2
3	0.700B	3.60B	3.05B	5.62	1.25	2.85	0.671	0.721	1.38	0.906	1.26	1.72	3
4	1.25 B	3.55B	2.75B	5.90	1.21	2.99	0.638	0.657	1.17	1.25	1.22	1.94	4
5	6.20 B	3.50B	2.45B	5.52	1.84	2.43	0.636	0.744	1.07	1.56	1.70	7.55	5
6	5.45 B	3.55B	2.25B	4.78	1.68	2.05	0.624	0.707	0.961	1.43	9.07	6.94	6
7	4.80 B	3.60B	2.15B	3.80E	1.56	1.70	0.610	0.642	0.985	1.25	10.8	6.10	7
8	4.40 B	5.50B	2.00B	3.00E	1.40	1.64	0.583	0.596	0.921	1.18	9.93	5.30	8
9	4.00 B	17.5 B	2.70B	2.55E	1.24	1.78	3.59	0.551	0.789	1.53	7.55	4.95	9
10	4.80 B	17.0 B	6.50B	3.25A	1.57	1.42	2.57	0.545	0.743	2.41	6.10	5.40	10
11	5.75 B	12.0 B	15.3 B	7.05	1.74	1.23	1.49	0.541	0.709	3.07	5.28	5.75	11
12	4.90 B	9.00B	27.3 B	6.68	1.57	1.09	1.15	0.531	0.668	3.47	4.73	5.22	12
13	3.60 B	7.00B	36.9	5.46	1.84	0.993	0.915	1.05	0.626	5.91	4.01	4.43	13
14	2.70 B	5.90B	33.3	4.56	5.54	0.939	0.741	1.11	0.667	6.39	3.36	4.26	14
15	2.34 B	4.70B	24.8	4.85	4.69	0.874	1.42	0.985	1.45	5.52	2.88	3.83	15
16	3.00 B	4.00B	18.5	4.83	5.30	0.806	1.69	0.946	1.13	4.42	2.61	3.54	16
17	8.00 B	3.50B	15.0	5.05	8.84	0.744	1.25	0.799	0.968	3.43	2.46	3.02	17
18	25.8	3.00B	12.2	4.98	12.4	0.917	1.00	0.711	0.911	3.43	2.26	3.56	18
19	25.5	2.75B	10.0	4.41	11.5	0.967	0.890	1.32	0.885	4.11	2.12	6.02	19
20	20.9	2.55B	8.64B	4.01	11.5	0.778	1.07	1.77	0.933	4.02	1.91	6.06	20
21	13.0	2.40B	8.02B	5.92	15.9	0.724	1.11	1.33	0.834	3.53	1.73	5.24	21
22	9.58	7.29B	7.48	5.66	10.9	0.705	0.922	1.12	0.805	2.96	1.72	6.83	22
23	7.98	38.5	7.66	5.02	8.57	1.05	1.23	0.990	0.807	2.51	2.03	12.9	23
24	8.11	43.6	6.92	4.18	6.70	1.37	1.03	0.867	0.770	2.22	2.31	15.6 B	24
25	10.4	28.1	5.75	3.50	5.30	1.11	0.902	0.749	0.765	2.01	2.33	10.5 B	25
26	12.3	18.1 B	4.91	2.96	4.15	0.991	0.774	0.700	0.799	1.83	2.15	9.00B	26
27	10.7	12.5 B	4.19	2.56	3.57	1.11	0.688	0.695	0.790	1.67	2.36	8.20B	27
28	9.44 B	8.00B	3.60	2.26	2.97	0.916	0.617	2.62	0.742	1.60	2.58	7.90B	28
29	7.00 B		3.19	2.00	2.55	0.804	0.584	4.06	0.709	1.52	2.69	15.7	29
30	5.80 B		3.58	1.74	2.18	1.05	0.575	3.67	0.944	1.45	2.50	41.7	30
31	4.80 B		4.18		1.88		0.626	2.52		1.40		52.1	31
TOTAL	234.680	278.69	293.87	131.08	145.41	39.018	32.187	35.978	28.421	79.945	104.31	278.85	TOTAL
MEAN	7.57	9.95	9.48	4.37	4.69	1.30	1.04	1.16	0.947	2.58	3.48	9.00	MEAN
MAX	25.8	43.6	36.9	7.05	15.9	2.99	3.59	4.06	1.91	6.39	10.8	52.1	MAX
MIN	0.700	2.40	2.00	1.74	1.21	0.705	0.575	0.531	0.626	0.906	1.22	1.72	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.61
MAXIMUM DAILY, 52.1 ON DEC 31
MINIMUM DAILY, 0.531 ON AUG 12
MAXIMUM INSTANTANEOUS,
56.6 AT 04:42 EST ON DEC 31

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 08 49 N
LONG 080 09 18 W
DRAINAGE AREA, 360 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	20 300	JUL	2 780
FEB	24 100	AUG	3 110
MAR	25 400	SEP	2 460
APR	11 300	OCT	6 910
MAY	12 600	NOV	9 010
JUN	3 370	DEC	24 100

TOTAL DISCHARGE, 145 000 dam³

FALL RIVER NEAR FALLBROOK - STATION NO. 02KF014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.64	2.99	3.62	7.42	8.62	4.75	1.41	0.430	0.115	0.076E	0.349	1.22	1
2	1.60	2.81	3.42	6.95	7.83	4.42	1.52	0.416	0.111	0.076E	0.459	0.939	2
3	1.56	2.82	3.31	7.47	7.29	4.52	1.59	0.406	0.107	0.075E	0.439	0.931	3
4	1.66	2.93	3.24	9.06	6.84	3.78	1.45	0.377	0.104	0.075E	0.447	1.66	4
5	1.69	2.87	3.17	10.2	6.42	3.57	1.05	0.322	0.105	0.080E	0.296	1.84	5
6	1.70	2.73	3.07	10.5	6.90	3.55	1.03	0.321	0.101	0.076A	0.738	1.97	6
7	1.72	2.68	2.96	10.1	7.15	3.32	0.950	0.375	0.100	0.076E	0.576	2.07	7
8	1.69	2.64	2.85	9.62	6.80	3.07	1.04	0.408	0.102	0.076E	0.554	2.10	8
9	1.70	2.69	2.73	9.18	7.09	3.15	1.07	0.328	0.098A	0.075E	0.535	2.20	9
10	1.78	2.83	2.72	8.92	7.35	3.03	0.944	0.262	0.097E	0.075E	0.570	2.18	10
11	1.90	2.87	2.68	9.65	7.36	2.88	0.856	0.249	0.095E	0.075E	0.706	2.21	11
12	1.99	2.88	3.08	10.0	6.95	3.15	0.686	0.219	0.093E	0.074E	0.632	2.22	12
13	1.94	2.96	3.91	9.94	6.23	2.98	0.704	0.227	0.091E	0.074E	1.21	2.26	13
14	1.87	3.09	5.27	9.43	6.30	2.76	0.714	0.294	0.090A	0.074E	0.469	2.24	14
15	1.84	3.22	6.70	10.2	5.95	2.56	0.732	0.300	0.087E	0.116A	0.474	2.20	15
16	1.83	3.48	8.64	9.84	5.45	2.45	0.891	0.243	0.085E	0.074E	0.553	2.22	16
17	1.95	3.55	11.1	10.4	6.49	2.48	0.709	0.272	0.083E	0.074E	0.402	2.20	17
18	2.24	3.49	12.8	9.74	7.54	2.63	0.722	0.252	0.081E	0.202A	0.489	2.29	18
19	2.30	3.41	12.9	9.64	6.59	2.02	0.563	0.194	0.079E	0.206	0.517	2.42	19
20	2.33	3.24	12.8	9.15	6.12	1.96	0.590	0.216	0.077E	0.164	0.554	2.44	20
21	2.34	3.19	12.5	9.15	6.66	2.02	0.559	0.208	0.075E	0.288	0.589	2.46	21
22	2.39	3.16	12.4	9.56	6.94	2.19	0.525	0.197	0.074E	0.245	0.731	2.75	22
23	2.38	3.72	12.3	8.93	6.78	2.11	0.834	0.191	0.074E	0.197	0.949	3.46	23
24	2.44	3.89	11.9	8.90	6.89	2.10	0.879	0.181	0.074E	0.249	1.20	4.34	24
25	2.48	3.92	11.5	8.90	6.47	1.88	0.852	0.174	0.073E	0.231	1.36	4.79	25
26	2.72	3.86	10.2	8.86	6.17	1.95	0.804	0.173	0.073E	0.200	0.915	5.11	26
27	2.74	3.78	9.87	9.18	5.96	1.51	0.775	0.158	0.072E	0.217	1.06	5.25	27
28	2.83	3.69	9.21	8.67	5.84	1.40	0.697	0.148	0.072E	0.317	1.36	5.27	28
29	2.75		8.41	8.76	5.16	1.41	0.686	0.141	0.074E	0.250	1.24	5.49	29
30	3.06		8.09	8.68	4.95	1.50	0.655	0.133	0.077E	0.314	1.16	6.25	30
31	3.01		7.78		5.23		0.468	0.125		0.338		6.79	31
TOTAL	66.07	89.39	225.13	277.00	204.32	81.10	26.955	7.940	2.639	4.799	21.533	91.770	TOTAL
MEAN	2.13	3.19	7.26	9.23	6.59	2.70	0.870	0.256	0.088	0.155	0.718	2.96	MEAN
MAX	3.06	3.92	12.9	10.5	8.62	4.75	1.59	0.430	0.115	0.338	1.36	6.79	MAX
MIN	1.56	2.64	2.68	6.95	4.95	1.40	0.468	0.125	0.072	0.074	0.296	0.931	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.01
MAXIMUM DAILY, 12.9 ON MAR 19
MINIMUM DAILY, 0.072E ON SEP 27
MAXIMUM INSTANTANEOUS,
14.1 AT 23:55 EST ON MAR 22

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 57 01 N
LONG 076 24 11 W
DRAINAGE AREA, 277 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	5 710	JUL	2 330
FEB	7 720	AUG	686
MAR	19 500	SEP	228
APR	23 900	OCT	415
MAY	17 700	NOV	1 860
JUN	7 010	DEC	7 930

TOTAL DISCHARGE, 95 000 dam³

FAREWELL CREEK AT OSHAWA - STATION NO. 02HD014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.250B	0.390B	0.460B	1.27	0.322	0.168	0.594	0.105	0.108	0.141	0.203	0.297	1
2	0.242B	0.365B	3.70 B	1.31	0.296	0.140	0.341	0.105	0.113	0.130	0.188	0.355	2
3	0.235B	0.342B	2.50 B	3.87	0.285	0.246	0.315	0.108	0.097	0.052	0.174	0.903E	3
4	0.505B	0.330B	1.50 B	4.40 E	0.251	0.268	0.176	0.108	0.092	0.524	0.181	1.45	4
5	0.460B	0.350B	0.800B	3.75	0.360	0.176	0.134	0.274	4.20	0.181	0.618	1.38	5
6	0.360B	0.400B	0.400B	2.12	0.328	0.180E	0.127	0.119	0.167	0.161	0.524	0.890	6
7	0.280B	1.00 B	0.255B	1.43	0.430	0.183	0.116	0.108	0.130	0.130	0.494	0.740	7
8	0.230B	2.00 B	0.300B	1.15	0.360	0.160	0.105	0.108	0.082	0.141	0.394	0.668	8
9	0.215B	4.20 B	0.500B	1.15	0.309	0.194E	0.236	0.102	0.086	0.740	0.332	0.758	9
10	0.510B	3.00 B	0.800B	1.90	0.334	0.227	0.137	0.097	0.070	0.420	0.343	0.870	10
11	0.400B	1.10 B	1.40 B	4.67	0.296	0.209	0.105	0.097	0.086	0.740	0.332	0.642	11
12	0.300B	0.800B	19.9 B	2.05	0.262	0.168	0.100	0.083	0.076	0.602	0.288	0.570	12
13	0.220B	0.500B	3.87	1.44	0.586	0.191	0.086	0.940	0.082	0.450	0.247	0.586	13
14	0.200B	0.900B	3.87	1.15	0.506	0.160	0.072	0.240	0.070	0.210	0.235	0.650	14
15	0.160B	1.02 B	3.08	2.01	0.374	0.146	0.342E	0.164	0.119	0.297	0.210	0.570	15
16	0.240B	0.390B	2.75	1.55	2.16 E	0.134	0.611	0.262	0.100	0.235	0.288	0.420	16
17	0.314B	0.520B	2.40	1.43	3.95	0.121	0.315	0.204	0.090	0.524	0.251	0.407	17
18	2.60 B	0.470B	1.40	0.958	2.91	0.121	0.183	0.164	0.066	0.850	0.210	0.830	18
19	1.30 B	0.400B	1.37	0.976	1.27	0.111	0.160	0.137	0.196	0.870	0.196	1.50	19
20	0.600B	0.370B	1.13	0.904	2.08	0.095	0.341	0.130	0.090	0.586	0.210	1.40	20
21	0.500B	0.334B	1.03	1.97	2.52	0.227	0.246	0.124	0.086	0.442E	0.210	0.930	21
22	0.430B	16.8 B	1.27	1.45	1.13	0.127	0.200	0.124	0.084	0.297	0.524	2.56	22
23	0.350B	15.0 B	2.10	1.01	0.922	0.146	0.733	0.137	0.086	0.279	0.464	7.45	23
24	0.600B	5.00 B	1.31	0.886	0.760	0.121	0.438	0.124	0.090	0.381	0.435	3.46	24
25	2.40 B	2.00 B	1.23	0.850	0.538	0.121	0.328	0.124	0.074	0.288	0.414	1.70 E	25
26	1.10 B	1.30 B	0.940	0.760	0.430	0.100	0.209	0.113	0.095	0.260	0.381	2.55 E	26
27	0.900B	0.800B	1.21	0.586	0.360	0.200	0.153	0.108	0.078	0.218	0.479	0.900E	27
28	1.14 B	0.500B	0.904	0.586	0.309	0.121	0.140	0.124	0.074	0.297	0.479	1.00 E	28
29	0.700B		0.832	0.476	0.262	0.500E	0.105	0.119	0.074	0.251	0.381	6.00 E	29
30	0.500B		0.976	0.430	0.227	1.20 E	0.105	0.102	0.355	0.226	0.320	3.00 E	30
31	0.430B		1.15		0.183		0.090	0.097		0.188		1.40 E	31
TOTAL	18.671	60.581	65.337	48.492	25.310	6.261	7.343	4.951	7.216	11.111	10.005	46.836	TOTAL
MEAN	0.602	2.16	2.11	1.62	0.817	0.209	0.237	0.160	0.241	0.358	0.334	1.51	MEAN
MAX	2.60	16.8	19.9	4.67	3.95	1.20	0.733	0.940	4.20	0.870	0.618	7.45	MAX
MIN	0.160	0.330	0.255	0.430	0.183	0.095	0.072	0.083	0.066	0.052	0.174	0.297	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.855
MAXIMUM DAILY, 19.9B ON MAR 12
MINIMUM DAILY, 0.052 ON OCT 03

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 43 53 18 N
LONG 078 49 16 W
DRAINAGE AREA, 58.5 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 610	JUL	634
FEB	5 230	AUG	428
MAR	5 650	SEP	623
APR	4 190	OCT	960
MAY	2 190	NOV	864
JUN	541	DEC	4 050

TOTAL DISCHARGE, 27 000 dam³

FAWN RIVER BELOW BIG TROUT LAKE - STATION NO. 04CE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	23.1B	21.6B	20.1B	20.7	22.0	37.1	39.7E	32.1E	25.5E	23.6	20.4	21.4	1
2	23.0B	21.5B	20.0B	20.6	22.1	36.9	39.5E	31.8E	25.4E	23.2	21.1	21.0	2
3	23.0B	21.5B	20.0B	20.6	22.1	36.2	39.3E	31.5E	25.3E	22.7	22.5	20.8	3
4	23.1B	21.4B	20.0B	20.7	22.0	39.1	39.1E	31.2E	25.1E	26.8	22.8	20.6	4
5	23.2B	21.4B	20.0B	20.7	22.1	38.2	38.8A	30.9E	25.0E	30.5	21.5	20.6	5
6	23.1B	21.4B	20.0B	20.7	22.1	39.3	38.5E	30.7E	24.8E	26.9	21.4	20.4B	6
7	23.0B	21.4B	20.0B	20.5	22.2	39.8	38.2E	30.5E	24.7E	24.5	21.8	20.4B	7
8	23.0B	21.3B	20.0B	20.5	22.5	38.9	38.0E	30.3E	24.6E	23.6	21.5	20.4B	8
9	22.9B	21.3B	20.0B	20.4	23.0	39.8	37.9E	30.1E	24.5E	22.9	22.2	20.3B	9
10	22.8B	21.3B	20.0B	20.4	23.4	39.3	37.6E	29.9E	24.4E	22.8	23.7	20.3B	10
11	22.9B	21.2B	20.3B	20.4	23.8	40.3	37.3E	29.7E	24.3E	23.4	23.7	20.2B	11
12	23.0B	21.2B	20.4B	20.3	24.3	41.3	37.0E	29.4E	24.2E	24.5	22.3	20.2B	12
13	22.9B	21.1B	20.5B	20.3	24.8	41.6	36.7E	29.2E	24.1E	24.1	20.8	20.1B	13
14	22.7B	21.1B	20.8B	20.2	25.4	42.0E	36.5E	29.0E	24.0E	23.0	20.9	20.1B	14
15	22.6B	21.0B	21.1	20.2	25.8	42.0E	36.3E	28.7E	23.9E	23.7	21.1	20.0B	15
16	22.6B	20.9B	21.8	20.0	26.2	42.0E	36.1E	28.5E	23.8E	23.5	21.0	20.0B	16
17	22.5B	20.8B	22.2	20.1	27.4	42.0E	35.9E	28.3E	23.7E	22.8	20.7	20.0B	17
18	22.4B	20.7B	22.1	20.0	28.6	41.8E	35.6E	28.0E	23.6E	22.2	20.9	20.0B	18
19	22.3B	20.6B	21.9	19.9	29.1	41.6E	35.3E	27.8E	23.4E	21.8	21.0	19.9B	19
20	22.2B	20.5B	21.6	19.8	29.7	41.5E	35.1E	27.6E	23.3E	20.9	20.9	19.9B	20
21	22.0B	20.4B	21.5	19.8	30.6	41.3E	34.8E	27.5E	23.2E	23.0	21.1	19.9B	21
22	22.0B	20.4B	21.5	19.8	31.3E	41.2E	34.5E	27.3E	23.1E	22.6	22.0	19.8B	22
23	22.0B	20.3B	21.4	19.7	32.0E	41.0E	34.2E	27.1E	22.9E	21.7	22.2	19.8B	23
24	22.0B	20.3B	21.3	19.9	32.6E	40.8E	33.9E	26.9E	22.8E	21.9	22.0	19.7B	24
25	22.0B	20.3B	21.2	19.9	33.3E	40.7E	33.6E	26.7E	22.7E	21.5	22.0	19.7B	25
26	22.0B	20.2B	21.2	20.2	34.0E	40.5E	33.4E	26.5E	22.6E	21.3	21.8	19.7B	26
27	22.0B	20.1B	21.2	20.5	34.7E	40.4E	33.1E	26.4E	22.5E	22.9	21.6	19.6B	27
28	21.9B	20.1B	21.0	20.5	35.3E	40.2E	32.9E	26.2E	22.4E	22.9	21.5	19.6B	28
29	21.8B		20.9	21.4	36.0E	40.1E	32.6E	26.0E	22.3E	22.1	21.4	19.5B	29
30	21.8B		20.9	21.9	36.5E	40.0E	32.4E	25.8E	22.2A	22.0	21.4	19.5B	30
31	21.7B		20.9		37.2A		32.2E	25.6E		20.6		19.5B	31
TOTAL	697.5	585.3	645.7	610.6	862.0	1 208.9	1 115.9	887.2	714.3	716.9	649.2	622.9	TOTAL
MEAN	22.5	20.9	20.8	20.4	27.8	40.3	36.0	28.6	23.8	23.1	21.6	20.1	MEAN
MAX	23.2	21.6	22.2	21.9	37.2	42.0	39.7	32.1	25.5	30.5	23.7	21.4	MAX
MIN	21.7	20.1	20.0	19.7	22.0	36.9	32.2	25.6	22.2	20.6	20.4	19.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 25.5
MAXIMUM DAILY, 42.0E ON JUN 14
MINIMUM DAILY, 19.5B ON DEC 29

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 46 00 N
LONG 089 33 00 W
DRAINAGE AREA, 4 350 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	60 300	JUL	96 400
FEB	50 600	AUG	76 700
MAR	55 800	SEP	61 700
APR	52 800	OCT	61 900
MAY	74 500	NOV	56 100
JUN	104 000	DEC	53 800

TOTAL DISCHARGE, 805 000 dam³

FIFTH CONCESSION DRAIN NEAR ESSEX (TEST) - STATION NO. 02GH013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0 B	0.006	0.004B	0.036	0.001	0	0	0	0	0	0	0.004	1
2	0 B	0.348	0.013B	0.096	0	0	0	0	0	0	0	0.003	2
3	0 B	0.082	0.010B	0.087	0	0.002	0	0	0	0	0	0.620	3
4	0.026B	0.035	0.008B	0.083	0.087	0.003	0	0	0	0.004	0	0.157	4
5	0.123	0.017	0.006B	0.034	0.121	0.001	0	0	0	0.005	0.112	0.054	5
6	0.038	0.084	0.004B	0.017	0.027	0	0	0	0.317	0.002	0.188	0.025	6
7	0.013	0.204	0.002B	0.012	0.008	0	0	0	2.63	0.001	0.047	0.020	7
8	0.013	0.128	0.004	0.009	0.005	0.265	0	0	0.147	0.002	0.017	0.014	8
9	0.035	0.073	0.180	0.006	0.004	0.029	0	0	0.012	0.515	0.008	0.011	9
10	0.172	0.037	0.258	0.310	0.004	0.004	0	0	0.007	0.687	0.010	0.011	10
11	0.052	0.015	0.247	0.225	0.002	0.002	0	0	0.004	0.363	0.005	0.005	11
12	0.030B	0.006	0.144	0.073	0.001	0.001	0	0.002	0.001A	0.124	0.003	0.005	12
13	0.010B	0.006	0.059	0.038	0.276	0.001	0	0.049	0.001	0.082	0.002	0.004	13
14	0.007	0.004	0.034	0.091	0.048	0.001	0.022	0.003	0.287	0.042	0.002	0.002	14
15	0.004	0.010	0.019	0.062	0.001	0.001	0.007	0	0.259	0.015	0.002	0.003	15
16	0.004	0.070	0.026	0.032	0.309	0	0	0	0.714	0.005	0.002	0.007	16
17	0.239	0.082	0.024	0.020	0.191	0	0	0	0.144	0.004	0.002	0.006	17
18	0.419	0.051	0.007	0.007	0.053	0	0	0.001	0.053	0.337	0.001	0.064	18
19	0.078	0.078	0.005	0.006	0.014	0	0	0.480	0.556	0.075	0.001	0.104	19
20	0.019	0.059	0.005	0.023	0.008	0	0	0.052	0.032	0.024	0.001	0.032	20
21	0.008	0.042	0.005	0.147	0.004	0	0	0.010	0.044	0.010	0.001	0.256	21
22	0.005	2.33	0.005	0.045	0.002	0	0	0.006	0.283	0.005	0.026	0.263	22
23	0.009	0.870	0.004	0.024	0.002	0	0	0.002	0.048	0.004	0.018	0.135	23
24	0.137	0.147B	0.003	0.010	0.001	0	0	0.001	0.011	0.003	0.011	0.033B	24
25	0.124	0.024B	0.003	0.006	0.001	0	0	0	0.004	0.002	0.005	0.019B	25
26	0.049	0.011B	0.002	0.004	0.001	0	0	0	0.002	0.001	0.003	0.015B	26
27	0.012	0.008B	0.002	0.003	0.001	0	0	0	0.001	0.001	0.021	0.014B	27
28	0.013	0.005B	0.001	0.003	0.001	0.005	0	0.002	0.001	0.001	0.118	0.013B	28
29	0.008		0.002	0.002	0	0.002	0	0.003	0.001	0	0.037	2.61 B	29
30	0.004		0.003	0.001	0	0.001	0.001	0	0.001	0	0.007	2.10	30
31	0.003		0.005		0		0	0		0		0.179	31
TOTAL	1.654	4.832	1.094	1.512	1.173	0.318	0.030	0.611	5.560	2.314	0.650	6 788	TOTAL
MEAN	0.053	0.173	0.035	0.050	0.038	0.011	0.001	0.020	0.185	0.075	0.022	0.219	MEAN
MAX	0.419	2.33	0.258	0.310	0.309	0.265	0.022	0.480	2.63	0.687	0.188	2.61	MAX
MIN	0	0.004	0.001	0.001	0	0	0	0	0	0	0	0.002	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.073
MAXIMUM DAILY, 2.63 ON SEP 07
MINIMUM DAILY, 0B ON JAN 01
MAXIMUM INSTANTANEOUS,
5.60 AT 03:20 EST ON SEP 07

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 12 18 N
LONG 082 47 12 W
DRAINAGE AREA, 3.9 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	143	JUL	2.59
FEB	417	AUG	52.8
MAR	94.5	SEP	480
APR	131	OCT	200
MAY	101	NOV	56.2
JUN	27.5	DEC	586

TOTAL DISCHARGE, 2 290 dam³

REMARKS - STATION ACTIVATED JANUARY, 1989

FISH CREEK NEAR PROSPECT HILL - STATION NO. 02GD010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.16	2.18	1.58B	2.47	0.817	0.396	0.280	2.64	1.09	7.12	1.67	2.70	1
2	1.31	3.27	1.82B	2.96	0.745	0.375	0.242	1.31	0.828	4.53	1.50	2.19	2
3	1.10	2.60B	2.61B	4.37	0.698	0.405	0.207	0.830	0.638	3.12	1.37	1.99	3
4	4.73	2.29B	1.79B	4.10	0.672	0.455	0.181	0.669	0.519	3.67	1.29	4.69	4
5	10.7	1.87B	1.46B	3.21	0.961	0.486	0.159	0.512	0.465	4.71	6.12	3.95	5
6	6.99	1.74	1.26B	2.56	0.936	0.411	0.148	0.451	0.431	3.16	30.9	3.08	6
7	4.25	1.67	1.09B	2.18	0.793	0.361	0.129	0.364	0.653	2.20	15.0	2.56	7
8	3.05	2.11	1.04B	1.88	0.695	0.344	0.141	0.311	0.604	1.86	8.18	2.31	8
9	2.49	16.6	1.96B	1.68	0.621	0.339	14.5	0.286	0.576	12.2	5.51	2.27	9
10	2.23	14.4	3.54B	1.98	0.592	0.309	12.2	0.252	0.433	26.7	4.53	3.38	10
11	2.10	6.43	5.25	4.23	0.611	0.298	3.41	0.271	0.385	19.7	3.74	3.71	11
12	1.41	3.72	10.0	3.23	0.554	0.261	1.64	0.277	0.346	12.5	3.12	3.00	12
13	1.32B	3.13	13.2	2.36	0.690	0.242	0.988	0.645	0.433	10.7	2.63	5.96	13
14	1.28B	3.55	10.2	2.14	0.789	0.253	0.784	1.08	0.567	6.37	2.38	3.89	14
15	1.25B	2.45B	6.99	2.83	0.676	0.260	0.837	0.678	11.6	4.39	2.44	2.81	15
16	1.23B	2.05B	5.07	2.88	0.783	0.254	0.775	0.613	6.84	3.38	2.37	2.64	16
17	2.26B	1.70B	4.48	2.76	2.60	0.217	0.640	0.515	3.48	4.10	2.09	2.49	17
18	30.3 B	1.52B	3.42	2.53	4.59	0.207	0.525	0.390	2.21	8.60	1.82	4.25	18
19	24.2	1.34B	2.74	2.06	2.48	0.191	0.434	1.98	1.76	10.4	1.67	6.42	19
20	10.9	1.24B	2.35	2.03	1.91	0.292	1.78	3.97	1.55	6.86	1.52	4.08	20
21	5.98	1.29B	2.08	4.19	2.66	0.260	2.09	2.13	1.30	4.47	1.39	3.16	21
22	3.82	5.49B	2.51	3.46	2.19	0.274	1.30	1.43	1.27	3.64	2.31	4.29	22
23	2.75	18.4	9.60	2.58	1.63	0.249	1.21	0.990	1.70	3.08	4.46	4.35	23
24	3.30	9.03	5.58	2.04	1.24	1.25	0.988	0.755	6.88	2.61	3.78	3.46	24
25	5.75	4.25B	3.50	1.69	1.02	0.943	0.687	0.567	4.47	2.21	3.20	2.58B	25
26	9.49	3.00B	2.76	1.44	0.886	0.577	0.513	0.461	2.97	1.88	2.70	2.09B	26
27	5.51	2.40B	2.20	1.24	0.792	0.446	0.415	0.414	2.12	1.69	2.66	1.95	27
28	10.1	1.90B	1.94	1.11	0.676	0.370	0.347	5.96	1.67	1.77	4.66	1.83	28
29	5.97		1.80	1.01	0.576	0.341	0.302	5.76	1.42	2.11	5.22	11.9	29
30	3.54		2.10	0.903	0.530	0.293	0.627	2.77	5.56	2.05	3.40	35.8	30
31	2.53		2.46		0.454		5.35	1.60		1.84		15.8	31
TOTAL	176.00	122.61	118.38	74.103	35.867	11.259	53.829	40.881	64.668	183.62	133.63	155.58	TOTAL
MEAN	5.68	4.38	3.82	2.47	1.16	0.375	1.74	1.32	2.16	5.92	4.45	5.02	MEAN
MAX	30.3	18.4	13.2	4.37	4.59	1.25	14.5	5.96	11.6	26.7	30.9	35.8	MAX
MIN	1.10	1.24	1.04	0.903	0.454	0.174	0.129	0.252	0.346	1.69	1.29	1.83	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.21
MAXIMUM DAILY, 35.8 ON DEC 30
MINIMUM DAILY, 0.129 ON JUL 07
MAXIMUM INSTANTANEOUS,
39.8 AT 06:13 EST ON DEC 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 13 14 N
LONG 081 14 14 W
DRAINAGE AREA, 150 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	15 200	JUL	4 650
FEB	10 600	AUG	3 530
MAR	10 200	SEP	5 590
APR	6 400	OCT	15 900
MAY	3 100	NOV	11 500
JUN	973	DEC	13 400

TOTAL DISCHARGE, 101 000 dam³

FREDERICK HOUSE RIVER AT FREDERICK HOUSE LAKE DAM - STATION NO. 04MD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	32.6	41.2	37.3	66.4	152	30.8	17.3	4.70	1.00	38.8	67.0	14.9	1
2	32.2	41.1	37.2	64.3	154	32.6	17.9	5.10	0.200	40.7	68.6	15.3	2
3	32.2	40.9	36.6	61.4	98.5	32.0	19.2	5.10	0	39.4	69.5	14.5	3
4	37.0	40.8	36.7	71.4	43.7	23.4	30.5	5.10	0.500	42.7	67.8	15.3	4
5	48.0	40.7	36.5	78.7	46.2	25.9	37.9	5.10	0.500	41.4	62.9	15.7	5
6	47.4	40.6	36.3	70.1	47.3	29.7	64.7	5.10	0.700	39.4	62.9	16.2	6
7	47.0	40.4	36.1	63.6	24.4	30.8	81.3	4.50	0.400	36.9	63.7	28.0	7
8	46.8	40.3	36.0	59.6	0	29.1	80.4	1.80	0.300	36.9	50.3	45.4	8
9	46.1	40.2	35.8	56.9	0	28.5	79.5	0.500	0.400	36.2	40.8	44.4	9
10	45.5	40.1	35.7	36.4	0	26.9	80.4	0.700	0.300	35.0	42.2	44.0	10
11	45.0	39.9	35.5	0	0	26.9	96.5	0	0.400	51.3	40.8	43.1	11
12	44.9	39.8	35.3	0	0	28.5	112	0.100	0.800	62.9	38.8	42.2	12
13	44.7	39.7	35.2	0	0	29.1	107	0.200	0.100	62.9	38.1	42.2	13
14	44.3	39.6	35.1	0	0	28.5	107	0.400	1.00	60.7	37.5	41.5	14
15	43.9	39.3	35.1	0	0	26.4	106	0.500	0.800	61.4	38.1	41.5	15
16	43.6	39.2	51.0	0	0	26.4	99.9	0.400	0.400	59.9	36.8	40.7	16
17	43.3	39.0	66.5	0	2.40	27.4	98.1	0.500	0.700	58.5	36.8	40.4	17
18	43.1	38.9	66.1	0	45.6	18.9	58.6	0.400	1.00	55.7	35.5	40.0	18
19	43.0	38.9	65.6	0	104	8.20	27.0	0.100	1.50	57.1	36.5	39.3	19
20	42.8	38.7	65.4	0	110	9.40	26.4	0.500	1.90	60.7	35.5	38.6	20
21	42.6	38.6	65.3	0	112	10.0	23.4	0.500	2.10	68.2	35.5	37.9	21
22	42.4	38.5	65.1	0	114	9.70	23.4	0.500	3.70	118	36.8	37.6	22
23	42.4	38.3	64.8	0	114	10.6	23.4	0.500	3.20	155	36.2	37.9	23
24	42.2	38.0	64.4	0	113	11.7	22.2	0.800	3.50	154	36.2	37.3	24
25	42.1	37.9	64.3	0	111	12.4	11.9	0.700	13.0	147	36.2	36.7	25
26	42.0	37.7	63.8	45.0	110	12.9	4.30	0.800	20.3	144	27.4	36.1	26
27	41.9	37.6	67.8	120	110	13.4	4.30	0.700	21.5	146	11.3	35.4	27
28	41.8	37.4	73.3	127	77.6	15.0	4.30	0.400	33.9	142	12.7	35.9	28
29	41.6		70.1	136	20.5	16.8	4.50	0.500	41.4	135	13.4	34.7	29
30	41.5		69.1	146	28.5	16.3	4.20	0.500	39.4	138	13.7	34.4	30
31	41.4		67.6		28.5		4.20	0.500		99.7		34.0	31
TOTAL	1 315.3	1 103.3	1 590.9	1 202.8	1 775.20	648.20	1 478.00	47.200	194.900	2 422.4	1 229.2	1 060.2	TOTAL
MEAN	42.4	39.4	51.3	40.1	57.3	21.6	47.7	1.52	6.50	78.1	41.0	34.2	MEAN
MAX	48.0	41.2	73.3	146	154	32.6	112	5.10	41.4	155	69.5	45.4	MAX
MIN	32.2	37.4	35.1	0	0	8.20	4.20	0	0	35.0	11.3	14.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 38.5
MAXIMUM DAILY, 155 ON OCT 23
MINIMUM DAILY, 0 ON APR 11

DATA CONTRIBUTED BY -
ONTARIO HYDRO

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 48 47 33 N
LONG 081 00 53 W
DRAINAGE AREA, 2 870 km²

REGULATED SINCE 1938

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	114 000	JUL	128 000
FEB	95 300	AUG	4 080
MAR	137 000	SEP	16 800
APR	104 000	OCT	209 000
MAY	153 000	NOV	106 000
JUN	56 000	DEC	91 600

TOTAL DISCHARGE, 1 210 000 dam³

FREDERICK HOUSE RIVER AT NIGHTHAWK LAKE - STATION NO. 04MD003

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	274.070	273.370	272.820	271.960	273.690	274.300	274.440	274.220	274.270	274.440	274.250	274.230	1
2	274.070	273.350	272.780	271.910	273.700	274.300	274.460	274.230	274.260	274.430	274.250	274.220	2
3	274.060	273.300	272.740	271.880	273.720	274.290	274.460	274.230	274.260	274.430	274.240	274.240	3
4	274.050	273.280	272.530	271.880	273.750	274.290	274.490	274.220	274.260	274.420	274.230	274.260	4
5	274.030	273.260	---	271.810	273.790	274.290	274.520	274.220	274.260	274.420	274.240	274.260	5
6	274.020	273.230	---	271.810	273.810	274.320	274.530	274.210	274.260	274.410	274.190	274.270	6
7	---	273.210	272.550	271.820	273.830	274.280	274.510	274.220	274.260	274.390	274.190	274.270	7
8	---	273.190	272.530	271.900	273.860	274.290	274.490	274.240	274.270	274.380	274.200	274.270	8
9	---	273.200	272.480	271.780	273.860	274.290	274.500	274.240	274.250	274.370	274.200	274.270	9
10	---	273.180	272.460	271.760	273.910	274.280	274.510	274.240	274.270	274.360	274.210	274.240	10
11	---	273.160	272.420	271.610	273.960	274.290	274.510	274.240	274.280	274.370	274.210	274.230	11
12	---	273.130	272.420	271.780	274.060	274.290	274.490	274.250	274.270	274.370	274.180	274.220	12
13	---	273.120	272.410	271.760	274.130	274.270	274.470	274.250	274.290	274.350	274.180	274.220	13
14	---	273.090	272.390	271.780	274.180	274.270	274.440	274.250	274.290	274.320	274.180	274.210	14
15	---	273.070	272.380	271.870	274.230	274.260	274.390	274.250	274.290	274.300	274.190	274.200	15
16	---	273.060	272.360	271.900	274.260	274.250	274.360	274.260	274.290	274.290	274.170	274.190	16
17	---	273.060	272.380	271.990	274.300	274.250	274.320	274.250	274.310	274.270	274.170	274.190	17
18	---	273.060	272.360	272.030	274.350	274.250	274.280	274.260	274.330	274.320	274.160	274.180	18
19	---	273.060	272.360	272.100	274.410	274.250	274.270	274.260	274.340	274.320	274.150	274.160	19
20	273.600	273.100	272.360	272.060	274.450	274.260	274.250	274.260	274.340	274.440	274.160	274.140	20
21	273.590	272.910	272.330	272.250	274.450	274.270	274.250	274.260	274.360	274.450	274.150	274.140	21
22	273.560	272.880	272.280	272.340	274.460	274.270	274.240	274.260	274.390	274.490	274.150	274.130	22
23	273.550	272.850	272.230	272.480	274.450	274.270	274.220	274.270	274.390	274.470	274.160	274.120	23
24	273.520	272.810	272.190	272.640	274.430	274.300	274.210	274.270	274.410	274.450	274.160	274.100	24
25	273.510	272.800	272.210	272.850	274.420	274.310	274.190	274.270	274.440	274.420	274.170	274.080	25
26	273.470	272.860	272.160	273.040	274.390	274.320	274.180	274.270	274.450	274.390	274.160	---	26
27	273.490	272.860	272.140	273.270	274.350	274.350	274.190	274.270	274.450	274.370	274.190	---	27
28	273.450	272.830	272.110	273.440	274.300	274.370	274.190	274.270	274.460	274.310	274.200	274.070	28
29	273.430		272.070	273.560	274.310	274.380	274.190	274.270	274.450	274.310	274.200	274.070	29
30	273.410		272.040	273.640	274.300	274.410	274.190	274.270	274.430	274.280	274.210	274.050	30
31	273.370		272.000		274.320		274.210	274.270		274.220		---	31
MEAN	---	273.082	---	272.227	274.143	274.294	274.353	274.250	274.329	274.373	274.190	---	MEA
MAX	---	273.370	---	273.640	274.460	274.410	274.530	274.270	274.460	274.490	274.250	---	MAX
MIN	---	272.800	---	271.610	273.690	274.250	274.180	274.210	274.250	274.220	274.150	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 274.530 ON JUL 06
MINIMUM DAILY, 271.610 ON APR 11

WATER LEVELS ARE REFERRED TO TEMISKAMING AND NORTHERN ONTARIO RAILWAY DATUM
APPLY -.582 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 48 32 50 N
LONG 080 58 26 W
DATA CONTRIBUTED BY -
ONTARIO HYDRO

A - MANUAL GAUGE

REGULATED SINCE 1938

DRAINAGE AREA,
2 540 km²

FRENCH LAKE NEAR ATIKOKAN - STATION NO. 05PA010

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	31.127	31.148	31.156	31.202	32.019	31.707	31.752	31.419	31.239E	31.101E	31.127	31.097	1
2	31.126	31.147	31.155	31.212	32.023	31.699	31.741	31.410	31.234E	31.102E	31.132	31.093	2
3	31.127	31.146	31.153	31.211	32.017	31.702	31.724	31.409	31.229E	31.125E	31.131	31.091	3
4	31.128	31.146	31.151	31.216	32.005	31.710	31.718	31.409	31.226E	31.118E	31.129	31.091	4
5	31.128	31.146	31.150	31.219	31.992	31.706	31.691	31.393	31.220E	31.124E	31.120	31.088	5
6	31.127	31.144	31.149	31.220	31.980	31.714	31.682	31.386	31.217E	31.119E	31.122	31.090	6
7	31.127	31.145	31.147	31.220	31.958	31.704	31.672	31.377	31.211E	31.118E	31.115	31.088	7
8	31.126	31.146	31.148	31.221	31.943	31.703	31.680	31.375	31.207E	31.118E	31.108	31.089	8
9	31.129	31.148	31.148	31.222	31.940	31.711	31.676	31.369	31.203E	31.117E	31.114	31.089	9
10	31.131	31.150	31.148	31.225	31.932	31.709	31.654	31.349	31.200E	31.117E	31.114	31.088	10
11	31.144	31.150	31.144	31.227	31.927	31.707	31.638	31.345	31.198E	31.117E	31.107	31.088	11
12	31.145	31.149	31.152	31.225	31.916	31.712	31.621	31.342	31.213E	31.100E	31.104	31.094	12
13	31.142	31.152	31.157	31.224	31.899	31.717	31.614	31.344	31.195E	31.099E	31.092	31.100	13
14	31.143	31.149	31.158	31.227	31.896	31.715	31.603	31.335	31.191E	31.099E	31.092	31.098	14
15	31.144	31.145	31.166	31.230	31.892	31.700	31.582	31.322	31.187E	31.096E	31.091	31.099	15
16	31.141	31.145	31.180	31.233	31.884	31.658	31.577	31.316	31.179E	31.088E	31.092	31.097	16
17	31.141	31.144	31.189	31.234	31.890	31.668	31.561	31.308	31.173E	31.089E	31.091	31.098	17
18	31.140	31.148	31.191	31.233	31.894	31.708	31.562	31.292	31.169E	31.091E	31.091	31.096	18
19	31.139	31.152	31.191	31.234	31.881	31.712	31.542	31.282	31.160A	31.118E	31.089	31.095	19
20	31.137	31.152	31.190	31.237	31.868	31.746	31.530	31.280	31.148	31.121E	31.086	31.105	20
21	31.136	31.152	31.193	31.243	31.857	31.790	31.517	31.280	31.154	31.123E	31.103	31.113	21
22	31.139	31.150	31.196	31.253	31.845	31.805	31.506	31.276	31.150	31.125E	31.124	31.121	22
23	31.138	31.151	31.197	31.282	31.833	31.817	31.501	31.269	31.146	31.127E	31.110	31.124	23
24	31.143	31.152	31.196	31.320	31.815	31.815	31.493	31.271A	31.144	31.129A	31.100	31.124	24
25	31.144	31.151	31.195	31.363	31.802	31.812	31.484	31.268E	31.136	31.129	31.101	31.126	25
26	31.143	31.151	31.195	31.483	31.787	31.826	31.472	31.262E	31.133	31.128	31.089	31.126	26
27	31.149	31.157	31.194	31.617	31.777	31.799	31.459	31.256E	31.131	31.133	31.090	31.127	27
28	31.149	31.155	31.194	31.752	31.755	31.785	31.457	31.253E	31.120A	31.131	31.101	31.129	28
29	31.146		31.195	31.889	31.746	31.777	31.452	31.248E	31.118E	31.126	31.102	31.134	29
30	31.150		31.195	31.979	31.734	31.766	31.437	31.245E	31.109E	31.128	31.098	31.132	30
31	31.147		31.196		31.721		31.430	31.241E		31.128		31.132	31
MEAN	31.138	31.149	31.173	31.322	31.885	31.737	31.582	31.320	31.178	31.116	31.105	31.105	MEAN
MAX	31.150	31.157	31.197	31.979	32.023	31.826	31.752	31.419	31.239	31.133	31.132	31.134	MAX
MIN	31.126	31.144	31.144	31.202	31.721	31.658	31.430	31.241	31.109	31.088	31.086	31.088	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 31.319
MAXIMUM DAILY, 32.023 ON MAY 02
MINIMUM DAILY, 31.086 ON NOV 20
MAXIMUM INSTANTANEOUS,
32.024 AT 16:08 CST ON MAY 01

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 40 20 N
LONG 091 08 06 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW

FRENCH RIVER AT CHAUDIERE DAM - STATION NO. 02DD017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	110	97.0	58.3	5.59	6.12	210	154	55.1	36.2	85.7	163	165	1
2	108	96.7	58.8	5.55	6.04	206	140	49.7	36.2	85.6	162	166	2
3	109	95.7	58.0	5.56	9.14	192	140	49.9	36.1	100	161	167	3
4	108	95.0	57.9	14.3	13.4	181	153	50.1	36.0	130	159	167	4
5	107	94.4	57.7	30.8	13.5	185	169	50.1	36.7	155	159	166	5
6	106	94.2	57.6	31.0	16.1	199	169	49.7	36.7	163	160	166	6
7	106	94.0	57.4	31.1	20.1	198	168	49.7	36.6	162	159	166	7
8	105	93.2	56.7	30.9	19.8	196	159	49.4	36.4	162	158	167	8
9	104	92.6	56.9	31.2	19.8	196	149	49.2	35.8	164	157	168	9
10	104	92.5	56.8	31.3	19.7	194	135	49.3	35.9	166	157	167	10
11	103	92.0	56.7	31.5	19.1	192	122	49.4	36.1	168	156	167	11
12	102	89.2	56.7	31.4	18.6	189	104	49.5	35.9	170	155	165	12
13	101	85.3	56.7	31.5	18.6	189	77.5	49.1	35.7	169	154	164	13
14	100	71.4	56.9	31.7	22.0	189	61.0	49.1	35.9	168	153	163	14
15	101	60.6	56.9	31.7	25.7	188	60.9	48.7	35.7	168	152	162	15
16	101	60.6	57.9	31.9	32.0	187	55.3	48.7	35.6	168	153	161	16
17	101	60.4	59.0	31.9	76.3	184	50.3	48.8	35.4	168	154	161	17
18	100	60.3	60.1	32.1	150	183	47.4	48.9	35.3	169	154	160	18
19	99.8	60.1	61.3	32.2	188	182	44.4	48.9	34.9	170	153	158	19
20	99.7	59.4	62.8	32.4	203	175	41.5	48.7	35.7	169	153	158	20
21	99.6	59.2	63.9	32.6	201	169	38.0	48.5	36.3	170	153	158	21
22	99.1	59.7	15.0	33.2	205	129	38.1	48.6	36.4	170	152	157	22
23	98.4	59.5	27.3	33.2	207	96.7	38.1	48.7	36.3	170	153	156	23
24	100	58.9	29.2	30.3	212	130	38.2	48.4	36.6	169	154	153	24
25	98.5	58.5	29.4	27.2	214	169	38.2	48.7	36.1	170	153	153	25
26	95.3	58.7	37.1	27.5	214	151	38.3	48.7	58.7	169	154	153	26
27	96.1	58.5	47.7	27.7	208	141	38.3	48.4	86.9	167	155	151	27
28	97.3	58.2	48.4	28.3	196	158	38.3	48.6	87.1	166	158	151	28
29	97.5		18.7	28.5	200	169	38.1	48.0	86.4	165	161	150	29
30	97.0		5.59	14.1	212	169	37.9	48.0	86.1	164	163	149	30
31	96.6		5.61		210		49.2	41.6		164		146	31
TOTAL	3 152.9	2 115.8	1 489.00	818.20	3 176.00	5 296.7	2 631.0	1 518.2	1 305.7	4 904.3	4 688	4 961	TOTAL
MEAN	102	75.6	48.0	27.3	102	177	84.9	49.0	43.5	158	156	160	MEAN
MAX	110	97.0	63.9	33.2	214	210	169	55.1	87.1	170	163	168	MAX
MIN	95.3	58.2	5.59	5.55	6.04	96.7	37.9	41.6	34.9	85.6	152	146	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 98.8
MAXIMUM DAILY, 214 ON MAY 25
MINIMUM DAILY, 5.55 ON APR 02

TYPE OF GAUGE - MANUAL
LOCATION - LAT 46 07 33 N
LONG 080 01 10 W

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	272 000	JUL	227 000
FEB	183 000	AUG	131 000
MAR	129 000	SEP	113 000
APR	70 700	OCT	424 000
MAY	274 000	NOV	405 000
JUN	458 000	DEC	429 000

REGULATED SINCE 1916

TOTAL DISCHARGE, 3 120 000 dam³

REMARKS - DISCHARGES SUMMED WITH THOSE AT 02DD016, 02DD020, TO GIVE FLOW FOR "FRENCH RIVER AT LAKE NIPISSING" NO. 02DD007

FRENCH RIVER AT DRY PINE BAY - STATION NO. 02DD010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	213	197	137	150	170	439	286	70.0	71.4	104	368	435	1
2	211	197	135	135	169	431	282	72.5	69.2	110	361	432	2
3	208	195	134	126	159	422	272	74.7	66.8	114	354	429	3
4	207	194	134	116	158	413	263	76.6	65.0	124	350	426	4
5	206	192	133	110	158	403	250	77.9	63.5	138	349	423	5
6	205	190	132	110	158	395	233	78.5	62.4	156	351	417	6
7	203	189	131	112	159	388	222	78.0	61.5	172	347	414	7
8	200	187	130	112	162	381	216	78.1	60.4	185	342	413	8
9	198	186	129	113	163	373	208	78.0	59.4	192	337	408	9
10	197	185	129	116	165	363	199	77.8	58.8	203	334	403	10
11	197	183	128	118	168	354	187	77.9	58.6	226	333	399	11
12	196	182	130	120	170	346	174	77.7	58.6	249	333	395	12
13	194	180	133	123	170	344	160	77.2	58.7	280	333	389	13
14	192	177	139	126	170	340	144	76.7	60.9	311	331	387	14
15	191	171	153	131	171	334	127	76.5	67.9	335	332	384	15
16	190	163	181	137	175	328	114	76.5	68.8	353	338	382	16
17	194	156	211	142	194	320	104	76.4	67.3	369	350	378	17
18	200	152	235	146	280	312	96.4	76.7	65.5	388	359	377	18
19	201	148	247	148	368	303	90.1	76.7	64.5	404	361	376	19
20	200	146	249	152	427	296	85.3	75.8	63.3	411	360	375	20
21	199	144	247	156	459	289	81.2	75.3	62.8	409	359	374	21
22	198	143	237	160	474	282	77.7	75.0	64.4	407	367	373	22
23	198	143	225	164	479	274	74.5	74.7	64.5	402	375	371	23
24	198	142	218	168	479	260	72.4	74.5	64.5	396	379	369	24
25	199	141	212	176	474	257	70.7	74.4	64.3	391	378	367	25
26	201	139	206	178	466	267	69.5	74.2	64.8	386	373	364	26
27	201	139	204	179	458	271	68.7	73.9	66.6	382	376	360	27
28	201	138	204	178	452	266	67.8	74.1	77.3	381	399	357	28
29	200		203	176	449	270	67.0	73.6	86.6	381	424	354	29
30	199		191	175	447	278	68.0	73.4	95.3	377	434	353	30
31	198		169		444		69.1	72.7		374		349	31
TOTAL	6 195	4 699	5 446	4 253	8 989	9 999	4 499.4	2 346.0	1 985.6	9 110	10 787	12 033	TOTAL
MEAN	200	168	176	142	290	333	145	75.7	66.2	294	360	388	MEAN
MAX	213	197	249	179	479	439	286	78.5	95.3	411	434	435	MAX
MIN	190	138	128	110	158	257	67.0	70.0	58.6	104	331	349	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 220
MAXIMUM DAILY, 479 ON MAY 23
MINIMUM DAILY, 58.6 ON SEP 11
MAXIMUM INSTANTANEOUS,
481 AT 15:12 EST ON MAY 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 03 01 N
LONG 080 34 26 W
DRAINAGE AREA, 13 900 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	535 000	JUL	389 000
FEB	406 000	AUG	203 000
MAR	471 000	SEP	172 000
APR	367 000	OCT	787 000
MAY	777 000	NOV	932 000
JUN	864 000	DEC	1 040 000

TOTAL DISCHARGE, 6 940 000 dam³

FRENCH RIVER AT LAKE NIPISSING - STATION NO. 02DD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	199	172	121	61.9	95.2	402	258	83.2	62.1	111	322	342	1
2	197	171	122	55.5	111	387	244	77.7	61.9	112	320	345	2
3	198	170	121	50.1	125	367	243	77.7	61.5	126	318	347	3
4	195	169	120	52.7	136	352	212	78.3	61.4	157	314	347	4
5	194	167	120	76.9	128	354	199	78.5	62.0	181	308	346	5
6	192	166	120	77.9	131	364	199	78.7	61.8	189	302	345	6
7	192	166	119	78.2	136	356	198	78.6	61.5	187	301	346	7
8	189	164	118	78.4	138	340	188	78.3	61.1	187	300	347	8
9	186	163	118	79.5	138	330	178	78.1	60.5	189	299	347	9
10	186	162	118	79.8	139	326	164	78.0	60.6	191	303	346	10
11	184	161	117	86.0	141	323	151	77.9	61.7	207	301	346	11
12	183	158	117	91.0	143	318	133	77.9	60.6	272	305	342	12
13	182	154	117	91.3	143	317	106	77.5	60.3	325	304	343	13
14	180	140	116	91.8	146	316	89.3	77.5	60.9	323	307	344	14
15	180	129	119	94.1	149	314	89.3	77.1	60.6	336	305	342	15
16	180	129	125	94.6	158	297	83.7	77.0	60.6	343	307	340	16
17	179	128	129	95.1	208	286	78.7	76.7	60.3	337	310	343	17
18	179	128	134	96.3	288	277	75.9	76.6	60.9	339	310	342	18
19	178	127	138	97.0	352	274	72.9	76.8	60.6	343	309	342	19
20	178	125	141	98.5	397	265	69.9	76.0	61.3	342	309	344	20
21	178	125	144	101	399	258	66.2	75.7	61.8	342	307	344	21
22	177	126	97.5	103	409	224	66.4	75.5	62.7	342	308	340	22
23	175	125	112	104	410	199	66.3	75.5	62.5	342	309	338	23
24	178	124	115	103	411	235	66.4	75.3	62.8	340	306	334	24
25	176	124	119	96.6	405	274	66.4	75.4	62.0	341	302	333	25
26	173	123	129	99.7	405	255	66.5	75.3	84.5	341	303	331	26
27	175	122	139	103	400	246	66.4	74.9	113	342	314	328	27
28	173	121	141	109	395	262	66.5	74.9	113	343	328	326	28
29	173		99.6	112	407	273	66.3	74.2	112	341	336	324	29
30	172		73.7	100	418	273	66.0	74.1	112	338	338	321	30
31	172		67.8		412		77.5	67.5		331		316	31
TOTAL	5 653	4 039	3 691.6	2 664.8	7 859.2	9 064	3 773.6	2 376.4	2 068.5	8 540	9 305	10 521	TOTAL
MEAN	182	144	119	88.8	254	302	122	76.7	69.0	275	310	339	MEAN
MAX	199	172	144	112	418	405	258	83.2	113	343	338	347	MAX
MIN	172	121	67.8	50.0	95.2	199	66.0	67.5	60.3	111	299	316	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 191
MAXIMUM DAILY, 418 ON MAY 30
MINIMUM DAILY, 50.0 ON APR 03

LOCATION - LAT N
LONG W
DRAINAGE AREA, 12 300 km²

REGULATED SINCE 1916

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	488 000	JUL	326 000
FEB	349 000	AUG	205 000
MAR	319 000	SEP	179 000
APR	230 000	OCT	738 000
MAY	679 000	NOV	804 000
JUN	783 000	DEC	909 000

TOTAL DISCHARGE, 6 010 000 dam³

REMARKS - DISCHARGE OBTAINED BY TOTALLING DISCHARGES AT STATIONS 02DD016, 02DD017, 02DD020

FRENCH RIVER AT PORTAGE DAM - STATION NO. 02DD016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	80.9	68.7	58.4	47.9	69.6	152	76.8	2.74	2.77	2.65	138	153	1
2	81.3	68.6	58.3	41.5	85.1	142	76.5	2.74	2.77	2.65	137	155	2
3	81.2	68.3	58.3	35.3	91.3	137	76.2	2.74	2.74	2.65	136	156	3
4	79.3	67.7	58.3	36.0	91.5	133	31.7	2.77	2.67	2.69	135	156	4
5	80.0	66.8	58.3	36.7	93.0	132	2.60	2.82	2.67	2.65	129	156	5
6	79.0	66.2	58.1	37.5	94.2	129	2.60	2.79	2.65	2.60	121	156	6
7	78.7	65.9	57.7	37.6	94.7	124	2.62	2.79	2.65	2.55	121	156	7
8	77.1	65.6	57.2	38.0	94.7	110	2.67	2.79	2.60	2.58	121	157	8
9	76.0	65.0	57.0	38.7	94.9	101	2.65	2.79	2.65	2.55	122	156	9
10	76.0	64.5	56.8	39.0	95.8	99.6	2.65	2.79	2.65	2.55	126	156	10
11	75.2	64.1	56.5	44.7	97.9	98.9	2.62	2.79	2.65	16.5	125	156	11
12	75.1	63.9	56.4	49.3	99.6	97.1	2.60	2.82	2.65	79.4	131	155	12
13	74.8	63.8	56.4	49.5	100	96.3	2.60	2.82	2.67	130	131	157	13
14	73.7	63.7	56.8	49.7	99.9	95.8	2.55	2.79	2.69	130	135	159	14
15	72.7	63.6	57.2	51.5	99.4	95.1	2.55	2.79	2.72	143	135	158	15
16	72.3	63.3	59.9	51.5	101	80.5	2.53	2.79	2.69	150	135	158	16
17	72.1	62.6	62.3	51.8	104	72.8	2.53	2.82	2.74	144	136	161	17
18	71.6	62.4	65.2	52.5	110	65.4	2.58	2.82	2.74	145	136	161	18
19	71.6	61.6	68.4	52.6	132	63.5	2.60	2.82	2.72	147	136	164	19
20	71.5	60.8	70.2	53.7	155	62.2	2.60	2.82	2.69	147	136	166	20
21	71.4	60.5	72.7	55.0	159	61.6	2.60	2.82	2.69	147	136	166	21
22	71.4	61.0	74.8	56.2	163	61.7	2.60	2.82	2.69	147	136	164	22
23	70.5	61.2	77.1	57.4	162	75.0	2.62	2.82	2.69	147	136	163	23
24	71.2	60.8	79.3	58.6	156	77.3	2.65	2.84	2.69	147	132	162	24
25	71.2	60.5	81.4	53.8	148	77.3	2.65	2.82	2.69	147	129	162	25
26	70.9	59.9	83.4	55.9	148	76.8	2.69	2.82	2.67	148	129	160	26
27	70.6	59.3	83.5	59.5	148	77.0	2.74	2.82	2.67	152	138	159	27
28	69.6	58.5	84.1	63.0	156	77.0	2.77	2.79	2.67	154	146	158	28
29	69.0		72.5	65.3	164	76.8	2.74	2.77	2.69	153	150	157	29
30	68.7		59.7	67.2	164	76.8	2.74	2.77	2.67	152	151	156	30
31	69.1		53.8		161		2.74	2.77		145		154	31
TOTAL	2 293.7	1 778.8	2 009.9	1 486.9	3 732.2	2 830.5	332.29	86.70	80.60	2 897.02	4 005	4 913	TOTAL
MEAN	74.0	63.5	64.8	49.6	120	94.4	10.7	2.80	2.69	93.5	134	158	MEAN
MAX	81.3	68.7	84.1	67.2	164	152	76.8	2.84	2.77	154	151	166	MAX
MIN	68.7	58.5	53.8	35.3	69.6	61.6	2.53	2.74	2.60	2.55	121	153	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 72.5
MAXIMUM DAILY, 166 ON DEC 20
MINIMUM DAILY, 2.53 ON JUL 16

TYPE OF GAUGE - MANUAL
LOCATION - LAT 46 07 22 N
LONG 080 00 49 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	198 000	JUL	28 700
FEB	154 000	AUG	7 490
MAR	174 000	SEP	6 960
APR	128 000	OCT	250 000
MAY	322 000	NOV	346 000
JUN	245 000	DEC	424 000

REGULATED SINCE 1949

REMARKS - DISCHARGES SUMMED WITH THOSE AT 02DD017 AND 02DD020, TO GIVE FLOW FOR "FRENCH RIVER AT LAKE NIPISSING" NO. 02DD007

TOTAL DISCHARGE, 2 280 000 dam³

GANARASKA RIVER ABOVE DALE - STATION NO. 02HD012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.50B	2.10B	2.80B	4.03	2.60	2.05	2.73	1.48	1.55	2.30	2.02	2.33E	1
2	3.00B	2.00B	3.10B	4.68	2.46	1.96	2.18	1.45	1.57	2.02	2.02	2.25E	2
3	2.00B	1.90B	2.50B	7.53	2.38	2.31	1.87	1.45	1.52	1.84	2.07	2.20B	3
4	2.50B	1.75B	2.05B	8.59	2.42	2.14	1.80	1.49	1.70	2.54	2.01	2.00B	4
5	4.20B	2.60B	1.70B	9.41	3.14	2.05	1.71	1.58	1.84	2.94	2.24	4.00E	5
6	2.80B	3.10B	1.90B	4.73	3.00	2.06	1.68	1.62	1.87	2.21	3.75	3.20E	6
7	2.35B	2.50B	2.10B	3.65	2.79	2.02	1.65	1.58	1.77	1.97	2.68	2.95E	7
8	2.10B	5.00B	2.30B	3.28	3.19	2.07	1.64	1.59	1.67	1.93	2.41	2.86E	8
9	2.70B	13.3 B	2.12B	3.24	2.88	2.39	2.23	1.57	1.59	3.08	2.20	2.84E	9
10	4.40B	6.00B	2.10B	6.59	3.47	2.22	1.78	1.57	1.75	3.46	2.30	3.00E	10
11	3.00B	3.10B	8.00B	10.1	3.61	2.09	1.69	1.55	1.80	3.48	2.26	2.90E	11
12	1.90B	2.32B	60.0 B	4.92	2.81	1.91	1.64	1.55	1.73	3.06	2.20	2.26E	12
13	1.80B	3.50B	40.3	3.84	3.40	1.88	1.61	1.72	1.68	3.41	2.26B	2.85	13
14	1.90B	5.80B	21.2	3.91	3.32	1.87	1.63	2.58	1.66	2.60	2.25B	2.90B	14
15	2.10B	2.50B	12.8	5.83	2.77	1.93	2.64	1.96	2.02	2.31	2.08	2.65B	15
16	2.40B	2.60B	9.33	4.42	3.29	1.80	2.57	1.96	1.83	2.16	2.11	2.46B	16
17	6.00B	2.10B	8.40	4.55	7.91	1.79	1.97	1.79	1.70	2.48	2.05	2.43B	17
18	19.5 B	1.82B	6.31	3.81	6.78	1.86	1.84	1.74	1.62	3.05	1.90	3.45	18
19	7.00B	1.70B	4.36	3.37	4.16	1.77	1.80	1.77	1.60	3.57	1.86	4.58	19
20	2.40B	2.16B	3.79	3.72	5.97	1.71	2.08	1.67	1.67	2.48	1.85	3.71B	20
21	2.15B	5.33	3.45	5.92	6.76	1.97	2.01	1.66	1.64	2.29	1.96	3.29B	21
22	2.00B	7.46	4.13	4.34	4.10	2.37	1.91	1.65	1.75	2.20	1.90E	6.26	22
23	1.95B	7.74B	6.04B	3.82	3.28	2.48	4.46	1.71	1.82	2.29	1.45E	13.8	23
24	4.00B	4.08B	4.33	3.55	2.99	2.19	2.69	1.63	1.79	2.13	2.65E	6.30	24
25	6.89B	3.31B	3.45	3.47	2.77	1.99	2.02	1.62	1.73	2.21	2.53E	4.96	25
26	8.00B	2.80B	3.27	3.40	2.57	1.84	1.81	1.58	1.68	2.15	2.50E	5.68B	26
27	5.00B	3.00B	2.87	3.05	2.44	2.06	1.73	1.58	1.66	2.04	2.58E	4.99B	27
28	3.40B	2.80B	2.91	2.97	2.56	1.90	1.65	1.60	1.70	2.31	2.70E	4.55B	28
29	4.00B		2.85	2.81	2.30	2.08	1.60	1.87	1.83	2.26	2.47E	11.2 B	29
30	2.30B		3.13	2.72	2.22	2.55	1.58	1.66	2.58	2.14	2.31E	16.8	30
31	2.20B		4.15		2.09		1.57	1.58		2.12		6.39	31
TOTAL	119.44	104.37	237.74	140.45	106.43	61.31	61.77	52.81	52.32	77.03	69.57	147.04	TOTAL
MEAN	3.85	3.73	7.67	4.68	3.43	2.04	1.99	1.70	1.74	2.48	2.32	4.74	MEAN
MAX	19.5	13.3	60.0	10.1	7.91	2.55	4.46	2.72	2.58	3.57	3.75	16.8	MAX
MIN	1.80	1.70	1.70	2.72	2.09	1.71	1.57	1.45	1.52	1.84	1.85	2.20	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.37
MAXIMUM DAILY, 60.0B ON MAR 12
MINIMUM DAILY, 1.45 ON AUG 02
MAXIMUM INSTANTANEOUS,
170 AT 10:34 EST ON MAR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 59 26 N
LONG 078 19 43 W
DRAINAGE AREA, 232 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	10 300	JUL	5 340
FEB	9 020	AUG	4 560
MAR	20 500	SEP	4 520
APR	12 100	OCT	6 660
MAY	9 200	NOV	6 010
JUN	5 300	DEC	12 700

TOTAL DISCHARGE, 106 000 dam³

GANARASKA RIVER NEAR OSACA - STATION NO. 02HD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.55B	1.60B	1.58	1.49	0.958	0.960E	1.11	0.573	0.585	0.910	0.822	0.920	1
2	1.30B	1.55B	1.55	1.88	0.913	1.08 E	0.821	0.541	0.577	0.792	0.812	0.893	2
3	1.10B	1.50B	1.65	2.32	0.886	1.03 E	0.724	0.559	0.568	0.748	0.817	0.840B	3
4	1.70B	1.80B	1.55	2.53	0.912	0.980E	0.676	0.558	0.567	1.21	0.821	2.76 B	4
5	2.45B	2.50B	1.63	2.42	1.23	0.950E	0.657	0.614	0.790	1.08	0.969	1.67	5
6	1.60B	2.54	1.88	1.55	1.16	0.940E	0.622	0.638	0.721	0.811	1.66	1.24	6
7	1.20B	1.88	2.01	1.33	1.23	1.00 E	0.606	0.623	0.688	0.755	1.06	1.14	7
8	1.15B	1.97B	2.12	1.24	1.31	1.12 E	0.624E	0.613	0.604	0.758	1.01	1.11	8
9	1.30B	4.45B	2.04	1.21	1.07	1.10 E	0.880E	0.604	0.607	1.46	0.907	1.12	9
10	2.50B	3.09	3.76B	2.54	1.54	1.03 E	0.700E	0.601	0.708	1.39	0.966	1.29	10
11	1.50B	2.00	4.84	2.69	1.34	0.940E	0.660E	0.558	0.726	1.48	0.915	1.10	11
12	1.00B	1.94	24.5 B	1.57	1.04	0.880E	0.635E	0.575	0.637	1.19	0.880	1.02	12
13	1.10B	2.26	7.07B	1.35	1.35	0.840E	0.613E	1.39	0.626	1.52	0.840B	1.26	13
14	1.40B	3.15B	4.00E	1.50	1.16	0.980E	0.625	0.917	0.646	1.05	0.832	1.20 B	14
15	1.90B	1.41B	3.00E	2.01	0.982	0.856E	1.23	0.713	0.937	0.952	0.906	1.12 B	15
16	2.10B	1.93	2.85	1.54	1.61	0.719	0.975	0.758	0.709	0.875	0.928	1.03	16
17	3.20B	1.70B	2.59	1.70	3.09	0.704	0.780	0.663	0.641	1.22	0.907	0.979	17
18	8.76B	1.40B	2.00	1.36	2.13	0.761	0.698	0.643	0.632	1.55	0.843	1.61	18
19	2.69	1.20B	1.53	1.27	1.34	0.712	0.655	0.697	0.647	1.34	0.820	1.74	19
20	1.92	1.01B	1.39	1.49	2.11	0.685	0.868	0.625	0.671	0.966	0.822	1.30	20
21	1.72	1.60B	1.41	2.14	1.97	0.951	0.778	0.621	0.642	0.917	0.835	1.38	21
22	1.67	2.50B	1.63	1.51	1.60 E	0.953	0.729	0.632	0.721	0.874	0.978	2.45	22
23	1.76	3.40B	2.36	1.38	1.45 E	1.09	1.94	0.671	0.713	0.833	1.37	4.22	23
24	1.97	2.42B	1.39	1.29	1.30 E	0.907	0.935	0.622	0.685	0.829	1.04	1.97	24
25	2.68	2.50B	1.27B	1.25	1.22 E	0.796	0.761	0.606	0.659	0.814	1.02	2.44 B	25
26	3.76	2.70B	1.21	1.24	1.15 E	0.719	0.679	0.590	0.674	0.799	0.964	2.73 B	26
27	2.07	2.22	1.14B	1.18	1.20 E	0.892	0.655	0.598	0.649	0.813	1.01	2.30 B	27
28	2.32	1.72	1.07B	1.10	1.08 E	0.738	0.643	0.656	0.656	1.01	1.06	1.80 B	28
29	1.95		1.06	1.04	1.03 E	0.949	0.609	0.720	0.770	0.909	0.965	4.60 B	29
30	1.81		1.23	1.00	1.00 E	1.13	0.626	0.622	1.28	0.854	0.911	4.40	30
31	1.66		1.60		0.984E		0.620	0.595		0.831		1.87 B	31
TOTAL	64.59	59.94	88.91	48.12	41.345	27.392	24.134	20.396	20.736	31.540	28.690	55.502	TOTA
MEAN	2.08	2.14	2.87	1.60	1.33	0.913	0.779	0.658	0.691	1.02	0.956	1.79	MEAN
MAX	8.76	4.45	24.5	2.69	3.09	1.13	1.94	1.39	1.28	1.55	1.66	4.60	MAX
MIN	1.00	1.01	1.06	1.00	0.886	0.685	0.606	0.541	0.567	0.748	0.812	0.840	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.40
MAXIMUM DAILY, 24.5B ON MAR 12
MINIMUM DAILY, 0.541 ON AUG 02
MAXIMUM INSTANTANEOUS,
51.7 AT 10:01 EST ON MAR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 00 56 N
LONG 078 26 17 W
DRAINAGE AREA, 67.3 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 580	JUL	2 090
FEB	5 180	AUG	1 760
MAR	7 680	SEP	1 790
APR	4 160	OCT	2 730
MAY	3 570	NOV	2 480
JUN	2 370	DEC	4 800

TOTAL DISCHARGE, 44 200 dam³

GORING DRAIN AT CONCESSION #13 (PITTOCK TEST) - STATION NO. 02GD025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.003	0.076	0.016	0.040	0.002	0.002	0.001	0.005	0.003	0.062	0.008	0.043	1
2	0.003	0.064	0.058	0.048	0.001	0.003	0	0.002	0.002	0.035	0.008	0.029	2
3	0.003	0.029	0.042	0.054	0.001	0.005	0	0.002	0.001	0.027	0.007	0.037	3
4	0.031B	0.024	0.019	0.046	0.001	0.003	0	0.001	0.001	0.099	0.007	0.107	4
5	0.113	0.018B	0.012	0.028	0.003	0.002	0	0.001	0.001	0.067	0.291	0.070	5
6	0.043	0.017B	0.007B	0.020	0.002	0.002	0	0.001	0.001	0.036	0.460	0.054	6
7	0.025	0.019	0.006B	0.015	0.001	0.002	0	0.001	0.002	0.023	0.199	0.042	7
8	0.023	0.165	0.020	0.011	0.001	0.002	0.015	0.001	0.001	0.033	0.126	0.038	8
9	0.016	0.345	0.117	0.010	0.001	0.002	0.194	0	0.001	0.221	0.092	0.044	9
10	0.014	0.175	0.166	0.022	0.001	0.001	0.029	0	0.001	0.223	0.077	0.083	10
11	0.010B	0.082	0.279	0.056	0.001	0.001	0.012	0	0.001	0.200	0.062	0.076	11
12	0.008B	0.047	0.300	0.033	0.001	0.001	0.006	0.001	0.001	0.132	0.047	0.060	12
13	0.007B	0.046	0.312	0.021	0.006	0.001	0.003	0.008	0.001	0.139	0.040	0.107	13
14	0.006B	0.032	0.223	0.022	0.004	0.001	0.005	0.003	0.010	0.074	0.040	0.059	14
15	0.007B	0.017B	0.182	0.033	0.003	0.001	0.006	0.002	0.038	0.046	0.044	0.047	15
16	0.006B	0.013B	0.174	0.032	0.024	0.001	0.003	0.001	0.018	0.029	0.043	0.032	16
17	0.193B	0.011B	0.146	0.030	0.152	0.001	0.003	0.001	0.011	0.060	0.030	0.029	17
18	0.438B	0.014	0.087	0.022	0.149	0.001	0.002	0.001	0.008	0.201	0.025	0.077	18
19	0.151	0.012	0.061	0.018	0.078	0.001	0.002	0.070	0.008	0.126	0.023	0.092	19
20	0.076	0.008	0.053	0.017	0.108	0.001	0.004	0.033	0.006	0.063	0.017	0.064	20
21	0.044	0.009	0.055	0.027	0.116	0.001	0.003	0.018	0.005	0.041	0.017	0.056	21
22	0.029	0.325	0.103	0.025	0.063	0.001	0.003	0.013	0.006	0.030	0.096	0.126	22
23	0.020	0.409	0.160	0.016	0.040	0.003	0.006	0.007	0.005	0.025	0.102	0.173	23
24	0.081	0.160	0.059	0.012	0.025	0.002	0.004	0.004	0.005	0.019	0.079	0.110	24
25	0.137	0.070	0.037	0.009	0.018	0.001A	0.002	0.003	0.005	0.015	0.060	0.069	25
26	0.094	0.039	0.025	0.006	0.015	0.001	0.001	0.002	0.004	0.013	0.043	0.042	26
27	0.090	0.025	0.018	0.005	0.010	0.001	0.001	0.002	0.003	0.013	0.076	0.031	27
28	0.108	0.015	0.013	0.004	0.008	0.001	0.001	0.013	0.049	0.013	0.143	0.028	28
29	0.047		0.012	0.003	0.005	0.001	0.001	0.018	0.088	0.009	0.098	0.381B	29
30	0.027		0.024	0.002	0.004	0.001	0.019	0.009	0.098	0.010	0.060	0.539	30
31	0.020		0.039		0.003		0.015	0.005		0.008		0.222	31
TOTAL	1.873	2.266	2.825	0.687	0.847	0.047	0.341	0.228	0.384	2.092	2.420	2.967	TOTA
MEAN	0.060	0.081	0.091	0.023	0.027	0.002	0.011	0.007	0.013	0.068	0.081	0.096	MEAN
MAX	0.438	0.409	0.312	0.056	0.152	0.005	0.194	0.070	0.098	0.223	0.460	0.539	MAX
MIN	0.003	0.008	0.006	0.002	0.001	0.001	0	0	0.001	0.008	0.007	0.028	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.047
MAXIMUM DAILY, 0.539 ON DEC 30
MINIMUM DAILY, 0 ON JUL 02
MAXIMUM INSTANTANEOUS,
0.918 AT 20:30 EST ON DEC 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 17 05 N
LONG 080 49 16 W
DRAINAGE AREA, 3.51 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	162	JUL	29.5
FEB	196	AUG	19.7
MAR	244	SEP	33.2
APR	59.3	OCT	181
MAY	73.2	NOV	209
JUN	4.06	DEC	256

TOTAL DISCHARGE, 1 470 dam³

GOULAIS RIVER NEAR SEARCHMONT - STATION NO. 02BF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.40B	5.18B	4.70B	21.8B	72.9	17.9	35.1	6.41A	2.28	3.60	19.5	39.8	1
2	5.32B	5.17B	4.70B	22.2B	60.8	16.5	32.8	5.68A	2.18	3.99	18.2	34.8	2
3	5.20B	5.16B	4.68B	22.1B	51.4	20.3	28.9	5.22A	2.09	3.99	17.0	28.0 B	3
4	5.10B	5.16B	4.62B	22.0B	43.9	21.3	25.8	4.78A	2.19	8.07	15.9	25.0 B	4
5	5.00B	5.16B	4.61B	21.5B	37.9	19.4	23.3	4.78A	2.22	9.48	14.9	22.5 B	5
6	4.90B	5.10B	4.61B	20.8B	33.2	18.7	20.5	4.58A	2.14	8.37	14.2	20.5 B	6
7	4.80B	5.10B	4.61B	20.6B	30.7	17.6	17.7	4.38A	2.02	7.50	13.4	19.0 B	7
8	4.70B	5.10B	4.62B	20.6B	36.8	16.2	24.5	4.19A	1.93	7.05	12.7	17.5 B	8
9	4.62B	5.07B	4.63B	20.6B	41.1	16.1	34.1	4.19A	1.87	6.61	12.1	16.1 B	9
10	4.52B	5.07B	4.70B	20.5B	91.7	15.4	29.4	4.19A	1.83	6.45	12.2	15.8 B	10
11	4.46B	5.07B	4.98B	19.9B	117	14.3	25.4	4.19A	1.76	7.34	12.1	14.8 B	11
12	4.42B	5.07B	5.40B	19.2B	102	13.2	22.1	4.00A	2.31	7.86	12.3	14.0 B	12
13	4.40B	5.07B	6.70B	19.1B	86.6	18.8	19.2	4.38A	2.85	7.63	12.3	13.3 B	13
14	4.40B	5.07B	7.87B	19.2B	73.5	20.7	16.9	4.38A	4.02	9.46	12.5	12.7 B	14
15	4.40B	5.06B	13.5 B	20.4B	63.3	20.3	15.2	4.00A	4.32	17.0	11.3	12.2 B	15
16	4.40B	5.05B	63.0 B	21.3B	60.9	19.4	14.2	3.81A	3.55	16.3	13.5	11.8 B	16
17	4.40B	5.07B	74.0 B	21.5B	90.3	20.1	14.4	3.63A	3.05	23.2	16.4	11.3 B	17
18	4.40B	5.10B	70.0 B	21.8B	111	21.5	15.2	3.45A	2.74	27.6	16.2	11.0 B	18
19	4.39B	5.10B	62.0 B	22.9	98.8	21.1	13.5	3.63A	2.81	28.2	15.2	10.6 B	19
20	4.40B	5.10B	57.0 B	26.7	84.2	19.4	12.7	3.12A	2.87	48.6	15.0	10.4 B	20
21	4.46B	5.00B	51.0 B	41.8	72.0	18.6	11.4	2.96A	3.16	56.0	18.5	10.1 B	21
22	4.57B	4.97B	46.0 B	64.8	61.3	17.8	10.3	2.82A	6.43	62.5	50.1	10.0 B	22
23	4.62B	4.95B	41.0 B	95.5	52.5	20.3	9.57	2.69	6.81	54.3	43.9	10.2 B	23
24	4.72B	4.90B	37.0 B	127	45.1	23.7	8.78	2.61	5.83	46.5	38.0	10.1 B	24
25	4.79B	4.86B	33.5 B	149	39.1	21.6	8.30A	2.60	5.02	39.8	34.0	9.60B	25
26	4.80B	4.82B	30.0 B	163	34.8	19.2	7.72A	2.77	4.51	34.6	30.8	9.00B	26
27	4.80B	4.80B	27.2 B	153	31.7	17.8	7.18A	2.70	4.03	30.9	34.7	8.70B	27
28	4.80B	4.79B	26.6 B	129	28.1	16.2	6.41A	2.73	3.82	28.0	54.1	8.60B	28
29	4.81B		24.8 B	106	25.2	27.0	5.92A	2.84	3.69	25.2	53.2	8.40B	29
30	4.85B		22.6 B	87.6	22.5	32.4	6.92A	2.57	3.48	23.2	45.8	8.30B	30
31	5.01B		21.8 B		20.0		6.92A	2.39		21.2		8.20B	31
TOTAL	145.86	141.12	772.43	1 541.4	1 820.3	582.8	530.32	116.67	97.81	740.50	690.4	462.50	TOTAL
MEAN	4.71	5.04	24.9	51.4	58.7	19.4	17.1	3.76	3.26	23.9	23.0	14.9	MEAN
MAX	5.40	5.18	74.0	163	117	32.4	35.1	6.41	6.81	62.5	54.1	39.8	MAX
MIN	4.39	4.79	4.61	19.1	20.0	15.2	5.92	2.39	1.76	3.60	11.3	8.20	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MEAN, 20.9
MAXIMUM DAILY, 163 ON APR 26
MINIMUM DAILY, 1.76 ON SEP 11
MAXIMUM INSTANTANEOUS,
173 AT 01:41 EST ON APR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 51 37 N
LONG 083 58 18 W
DRAINAGE AREA, 1 160 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	12 600	JUL	45 800
FEB	12 200	AUG	10 100
MAR	66 700	SEP	8 450
APR	133 000	OCT	64 000
MAY	157 000	NOV	59 700
JUN	50 400	DEC	40 000

TOTAL DISCHARGE, 660 000 dam³

GRAHAM CREEK AT NEPEAN - STATION NO. 02KF015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.254	0.227	0.062	0.055	0.072	0.060	0.601	0.221	0.257	1
2	---	---	---	0.283	0.176	0.055	0.041	0.053	0.057	0.414	0.217	0.231	2
3	---	---	---	0.688	0.155	0.057	0.039	0.046	0.052	0.348	0.220	0.203	3
4	---	---	---	1.82	0.138	0.057	0.041	0.043	0.049	0.365	0.243	---	4
5	---	---	---	1.33	0.135	0.050	0.043	0.296	0.049	0.334	0.247	---	5
6	---	---	0.136	0.755	0.118	0.044	0.039	0.165	0.045	0.274	0.571	---	6
7	---	---	0.102	0.530	0.112	0.043	0.039	0.141	0.047	0.233	0.458	---	7
8	---	---	0.091	0.417	0.141	0.042	0.074	0.102	0.044	0.191	0.380	---	8
9	---	---	0.112	0.356	0.111	0.044	0.058	0.082	0.042	0.405	0.331	---	9
10	---	---	0.091	0.611	0.174	0.039	0.040	0.075	0.124	0.475	0.374	---	10
11	---	---	0.223	0.993	0.124	0.045	0.038	0.063	0.062	0.508	0.351	---	11
12	---	---	0.578	0.794	0.102	0.042	0.038	0.059	0.051	0.537	0.293	---	12
13	---	---	0.790	0.494	0.104	0.042	0.036	0.203	0.048	0.881	0.249	---	13
14	---	---	0.847	0.499	0.093	0.041	0.037	0.121	0.046	0.887	0.215	---	14
15	---	---	1.20	0.670	0.093	0.037	0.098	0.108	0.068	0.534	0.210	---	15
16	---	---	1.89	0.554	0.090	0.038	0.046	0.086	0.044	0.393	0.262	---	16
17	---	---	2.64	0.462	0.261	0.040	0.037	0.083	0.044	0.379	0.290	---	17
18	---	---	1.45	0.353	0.174	0.064	0.034	0.307	0.042	0.623	0.283	---	18
19	---	---	0.761	0.307	0.143	0.053	0.036	0.102	0.044	0.785	0.233	---	19
20	---	---	0.700	0.358	0.210	0.047	0.356	0.081	0.065	0.510	0.209	---	20
21	---	---	0.690	0.495	0.233	0.126	0.085	0.074	0.043	0.381	0.191	---	21
22	---	---	0.620	0.448	0.192	0.048	0.080	0.059	0.184	0.322	0.300	---	22
23	---	---	0.782	0.369	0.156	0.062	0.396	0.057	0.128	0.283	0.417	---	23
24	---	---	0.492	0.332	0.135	0.058	0.129	0.051	0.107	0.266	0.394	---	24
25	---	---	0.430	0.312	0.135	0.042	0.111	0.048	0.089	0.252 e	0.326	---	25
26	---	---	0.345	0.305	0.126	0.041	0.094	0.044	0.086	0.235	0.263	---	26
27	---	---	0.283	0.296	0.120	0.042	0.081	0.048	0.070	0.213	0.354	---	27
28	---	---	0.226	0.282	0.109	0.037	0.070	0.182	0.058	0.339	0.368	---	28
29	---	---	0.210	0.271	0.102	0.058	0.058	0.326	0.237	0.323	0.338	---	29
30	---		0.202	0.245	0.082	0.042	0.083	0.112	0.893	0.267	0.289	---	30
31	---		0.243		0.074		0.142	0.081		0.235		---	31
TOTAL	---	---	---	15.883	4.345	1.498	2.554	3.370	2.978	12.793	9.097	---	TOTAL
MEAN	---	---	---	0.529	0.140	0.050	0.082	0.109	0.099	0.413	0.303	---	MEAN
MAX	---	---	---	1.82	0.261	0.126	0.396	0.326	0.893	0.887	0.571	---	MAX
MIN	---	---	---	0.245	0.074	0.037	0.034	0.043	0.042	0.191	0.191	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MAXIMUM INSTANTANEOUS,
4.91E AT 22:13 EST ON AUG 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 20 33 N
LONG 075 48 30 W
DRAINAGE AREA, 26.5 km²

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	221
FEB	---	AUG	291
MAR	---	SEP	257
APR	1 370	OCT	1 110
MAY	375	NOV	786
JUN	129	DEC	---

REMARKS - SEASONAL OPERATION (APR 01-DEC 15)

GRAND RIVER AT BRANTFORD - STATION NO. 02GB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	32.8B	59.0B	66.5B	56.1	32.4	29.9	26.5	23.8	24.2	30.6	46.4	119
2	30.4B	51.9B	65.6B	61.7	31.5	28.5	24.8	22.3	22.8	35.5	42.9	104
3	30.4B	48.0B	62.1B	81.8	29.9	33.0	24.4	21.4	21.9	35.0	42.4	94.8
4	38.0B	44.2B	53.1B	108	29.8	33.8	23.2	20.3	21.4	35.0	38.7	106
5	44.1B	42.2B	48.5B	118	36.7	31.7	23.0	20.7	22.3	35.7	44.8	102
6	40.4B	41.1B	40.2B	85.2	37.4	29.6	21.8	21.2	24.0	32.3	143	97.3
7	41.9B	39.7B	33.7B	61.1	35.0	29.3	20.8	19.9	24.3	32.4	235	90.2
8	41.5B	60.5	32.1B	56.7	34.1	29.3	20.4	19.4	23.5	31.7	223	83.6
9	41.1B	104	38.5B	49.7	32.4	29.9	22.1	20.0	22.6	35.9	156	78.9
10	43.1B	179	53.5B	47.2	32.6	28.1	52.2	19.6	23.2	95.1	133	79.3
11	41.7B	191	107	66.9	32.9	26.8	42.6	21.4	24.2	174	112	80.9
12	39.3B	133	253	83.2	31.5	25.8	32.0	22.4	23.0	170	100	77.4
13	36.1B	104	407	80.1	40.7	25.4	26.8	32.5	22.1	159	92.8	78.1
14	35.9B	93.1	468	63.6	43.2	25.1	24.9	33.7	22.3	140	83.8	100
15	35.8B	76.5	380	59.4	37.9	24.8	29.6	27.2	40.2	113	79.7	98.8
16	36.3B	55.4	279	66.3	41.7	23.6	28.8	25.2	31.8	94.1	77.8	90.1
17	56.1B	67.4	235	79.4	58.8	22.6	25.8	24.2	30.1	94.3	87.4	79.2
18	92.6B	55.4B	204	80.2	75.5	23.3	26.0	22.5	28.3	111	87.2	80.5
19	203 B	60.1B	151	67.8	81.8	22.5	28.1	26.5	26.3	151	81.5	91.8
20	170 B	53.9B	119	61.9	80.8	21.2	30.0	30.0	25.9	142	75.8	100
21	134 B	39.8B	97.3	65.8	126	20.8	28.8	25.9	24.6	114	68.5	92.6
22	88.1B	58.7	80.5	67.7	170	22.1	26.0	24.7	24.5	99.4	68.0	98.3
23	80.4B	236	115	67.9	108	30.4	32.3	23.7	24.2	89.2	94.0	152
24	79.0B	232	212	61.2	74.8	37.7	27.4	22.8	24.0	72.8	120	197
25	82.2B	170	170	51.0	61.8	41.1	25.1	22.5	23.0	59.1	112	150
26	92.8B	98.8B	107	44.1	52.1	37.8	23.8	21.6	23.4	56.0	99.9	116
27	109 B	93.5B	79.7	40.8	47.4	32.6	22.3	21.1	23.3	53.7	93.3	90.0B
28	114 B	77.9B	64.1	37.8	43.7	27.8	21.2	47.2	22.1	52.0	101	86.0B
29	107 B		52.4	35.1	40.3	26.9	20.4	38.0	22.8	49.7	144	150 B
30	86.9B		51.5	33.1	33.1	29.1	19.0	29.5	25.3	48.8	141	420 B
31	68.4B		54.0		31.1		29.4	26.1		47.7		395
TOTAL	2 172.3	2 556.1	4 180.3	1 938.8	1 644.9	850.5	859.5	777.3	741.6	2 490.0	3 024.9	3 778.9
MEAN	70.1	91.3	135	64.6	53.1	28.4	27.7	25.1	24.7	80.3	101	122
MAX	203	232	468	118	170	41.1	52.2	47.2	40.2	174	235	420
MIN	30.4	39.7	32.1	33.1	29.8	20.8	19.0	19.4	21.4	30.6	38.7	77.4

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 68.5
MAXIMUM DAILY, 468 ON MAR 14
MINIMUM DAILY, 19.0 ON JUL 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 07 56 N
LONG 080 16 01 W
DRAINAGE AREA, 5 210 km²

B - ICE CONDITIONS

REGULATED SINCE 1942

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	188 000	JUL	74 300
FEB	221 000	AUG	67 200
MAR	361 000	SEP	64 100
APR	168 000	OCT	215 000
MAY	142 000	NOV	261 000
JUN	73 500	DEC	326 000

TOTAL DISCHARGE, 2 160 000 d

GRAND RIVER AT GALT - STATION NO. 02GA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	24.5B	42.0B	41.0B	36.3	22.3	17.9	18.1	15.3	17.4	25.2	37.7	88.6
2	52.1B	37.0E	39.0B	40.4	21.4	16.8	17.3	14.4	16.7	21.9	33.9	77.5
3	21.6B	34.0B	36.0B	63.7	20.2	19.4	16.8	14.1	16.1	18.8	34.1	73.2
4	27.8	31.5B	33.0B	86.9	20.4	19.0	16.6	13.6	16.1	24.2	31.0	78.7
5	32.1	29.5B	28.0B	84.9	27.4	18.2	17.3	14.8	17.7	20.8	46.6	71.9
6	27.3B	28.3E	23.0B	50.0	24.1	17.6	15.8	14.7	17.6	20.5	127	66.2
7	26.9B	28.0E	20.5B	39.4	23.2	17.6	15.4	14.3	18.3	19.4	135	62.6
8	24.5B	47.4A	19.2B	36.8	22.0	17.8	16.2	14.7	17.0	19.7	118	59.1
9	24.7B	79.9	22.0B	32.1	20.8	18.2	17.2	15.2	16.2	32.8	102	56.8
10	27.2	100 B	30.2	33.5	21.5	17.2	20.2	15.9	16.4	84.4	95.5	58.6
11	26.4	90.0B	68.9	47.6	21.0	16.9	16.9	16.5	17.5	100	79.7	54.5
12	25.0	70.0B	150 B	59.3	20.3	16.5	15.8	18.0	16.5	96.4	74.3	50.8
13	22.9B	60.0B	280 B	48.4	27.5	16.4	15.2	29.0	16.2	89.8	70.1	60.4
14	22.7B	50.0B	317	37.9	23.7	16.5	15.3	22.5	19.6	87.9	62.6	68.7
15	22.6B	40.0B	256	38.6	22.1	16.4	20.1	19.3	31.2	72.7	62.0	66.1
16	23.3	37.0B	185	47.4	29.3	15.8	17.6	18.5	20.8	66.7	60.5	62.4
17	35.5E	40.5B	156	57.6	57.7	15.5	16.9	17.5	18.6	78.1	71.0	55.6
18	75.0E	39.0B	125	55.7A	45.4	16.3	18.0	16.7	17.7	91.4	67.6	60.5
19	106 E	35.0B	92.4	50.0E	39.8	15.7	18.6	20.5	17.7	105	63.1	69.2
20	85.0B	30.0B	77.5	45.0E	47.3	15.1	21.3	18.9	17.8	89.7	58.5	64.3
21	67.0B	23.0B	58.8	40.0E	106	15.1	17.3	17.1	17.2	81.3	51.4	61.1
22	55.0B	49.4	48.5	41.3E	98.2	16.6	16.7	16.6	17.5	73.3	57.1	73.8
23	50.0B	130	110	42.5E	56.4	26.1	23.0	16.2	17.7	69.2	82.3	110
24	49.5E	108	142	35.8A	43.0	28.1	16.8	16.1	17.1	49.3	84.1	121
25	55.0E	74.4B	112	31.4	35.5	28.0	15.7	15.7	16.7	44.4	79.0	99.4
26	60.0E	56.5B	65.1	28.0	31.8	21.8	15.3	15.5	17.3	43.1	69.4	60.0
27	66.0B	50.0B	52.1	26.5	29.5	19.0	14.7	16.6	16.8	41.6	66.1	51.0
28	74.5B	46.0B	38.2	25.1	27.8	17.3	14.4	42.7	16.5	40.6	80.5	44.0
29	72.5B		32.6	23.2	27.3	20.0	13.4	25.1	16.9	39.6	103	90.0
30	60.5B		33.2	22.6	20.1	19.8	15.9	20.5	20.9	39.2	95.2	230
31	51.0B		34.5		18.8		21.3	18.3		38.4		210
TOTAL	1 364.1	1 486.4	2 726.9	1 307.9	1 027.5	552.6	551.1	564.8	537.7	1 735.4	2 198.3	2 456.6
MEAN	44.0	53.1	88.0	43.6	33.1	18.4	17.8	18.2	17.9	56.0	73.3	79.3
MAX	106	130	317	86.9	106	28.1	37.2	42.7	31.2	105	135	230
MIN	21.6	23.0	19.2	22.6	18.8	15.1	13.4	13.6	16.1	18.8	31.0	44.0

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 45.2
MAXIMUM DAILY, 317 ON MAR 14
MINIMUM DAILY, 13.4 ON JUL 29
MAXIMUM INSTANTANEOUS, 338 AT 06:37 EST ON MAR 14

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 21 10 N
LONG 080 19 01 W
DRAINAGE AREA, 3 520 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	118 000	JUL	47 6
FEB	128 000	AUG	48 8
MAR	236 000	SEP	46 5
APR	113 000	OCT	150 0
MAY	88 800	NOV	190 0
JUN	47 700	DEC	212 0

TOTAL DISCHARGE, 1 430 000

GRAND RIVER AT WEST MONTROSE - STATION NO. 02GA034

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.50B	27.5 B	17.7 B	12.0	6.53	5.89	6.27	4.52	7.17	7.50	8.72	37.8	1
2	8.00B	27.0 B	17.4 B	18.2	6.48	5.58	5.72	4.46	7.07	6.47	8.63	33.4	2
3	8.00B	26.5 B	16.7 B	32.8	6.28	5.99	5.50	4.51	6.99	5.62	8.30	28.1	3
4	7.80B	26.0 B	15.0 B	53.3	6.29	6.16	5.31	4.46	6.87	5.82	8.08	27.6	4
5	8.40B	25.5 B	10.0 B	35.8	7.20	5.68	5.21	4.74	7.18	7.36	10.1	25.7	5
6	8.00B	25.0 B	7.40B	15.4	7.22	5.52	4.98	4.58	6.95	7.82	44.1	22.8	6
7	8.00B	24.2 B	6.10B	17.1 E	7.13	5.31	4.87	4.73	7.00	6.49	59.5	21.3	7
8	8.00B	23.0 B	5.80B	12.5 E	6.83	5.18	4.97	5.37	6.87	6.02	49.4	20.5	8
9	8.00B	24.5 B	5.90B	9.75E	6.59	5.28	5.55	5.36	6.91	15.1	42.6	19.6	9
10	8.00B	31.5 B	5.95B	8.70E	6.39	5.21	5.04	5.38	6.82	38.8	35.0	18.0	10
11	8.10B	42.0 B	14.0 B	16.5 E	6.40	5.07	4.99	5.98	6.72	42.6	30.3	14.7	11
12	8.00B	38.0 B	45.0 B	20.5 A	5.78	5.23	4.97	7.50	6.71	37.1	27.9	13.5	12
13	8.00B	29.5 B	105 B	13.4	5.99	5.14	4.95	8.15	6.66	38.4	23.5	20.7	13
14	8.00B	21.0 B	176	10.9	6.18	5.01	4.97	7.15	6.89	31.7	18.7	22.4B	14
15	8.00B	19.5 B	138	15.6	6.05	4.97	5.16	6.66	7.18	25.4	18.3	26.5B	15
16	8.10B	25.7 B	88.8	22.0	6.29	4.95	5.09	6.83	7.00	23.3	26.4	23.1	16
17	9.20B	22.1 B	74.2	23.0	8.59	5.01	4.97	6.57	6.82	26.7	30.4	20.3	17
18	12.5 B	22.0 B	49.9	18.3	10.9	5.04	4.97	6.60	6.59	34.8	27.4	21.2	18
19	16.3 B	20.9 B	30.6	13.5	9.55	4.39	5.09	6.66	6.59	38.6	24.6	24.4	19
20	20.7 B	6.40B	26.7	12.6	12.4	3.80	5.52	6.50	6.49	33.7	20.5	22.2	20
21	21.0 B	6.30B	20.3	15.3	66.5	4.98	5.36	6.35	6.42	30.0	14.5	20.5	21
22	23.0 B	9.40B	13.7	17.5	41.7	4.98	5.33	6.27	6.38	27.9	19.6	29.0	22
23	28.0 B	14.5 B	67.7	15.5	15.7	6.24	5.54	6.58	6.36	20.3	39.1	52.0	23
24	31.0 B	21.7 B	62.8	10.5	15.8	11.4	5.45	6.56	6.29	10.4	37.1	50.1	24
25	30.0 B	19.6 B	39.9	8.15	12.7	9.47	5.24	6.75	6.25	10.0	31.3	39.7B	25
26	30.3 B	19.5 B	19.9	7.70	12.5	7.17	5.25	6.67	6.05	9.55	23.7	26.3B	26
27	27.5 B	19.0 B	16.7	7.46	12.4	6.16	5.14	6.78	5.90	9.18	21.6	20.8B	27
28	30.0 B	18.0 B	11.5	6.41	10.5	5.67	3.90	8.14	5.77	9.19	19.8	18.8B	28
29	29.5 B		9.83	6.01	6.43	6.62	4.19	7.45	5.45	9.01	46.8	35.7	29
30	29.0 B		9.87	5.76	6.26	6.57	4.90	6.96	6.62	8.81	41.1	93.6	30
31	28.0 B		10.6		6.10		4.85	7.10		8.68		83.6	31
TOTAL	493.90	635.80	1 138.55	481.84	351.46	173.67	159.25	192.32	198.96	592.32	837.43	934.2	TOTAL
MEAN	15.9	22.7	36.7	16.1	11.3	5.79	5.14	6.20	6.63	19.1	27.9	30.1	MEAN
MAX	31.0	42.0	176	53.3	66.5	11.4	6.27	8.15	7.18	42.6	59.5	93.6	MAX
MIN	7.50	6.30	5.80	5.76	5.78	3.80	3.90	4.46	5.45	5.62	8.08	13.5	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.0
MAXIMUM DAILY, 176 ON MAR 14
MINIMUM DAILY, 3.80 ON JUN 20
MAXIMUM INSTANTANEOUS,
202 AT 02:01 EST ON MAR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 35 06 N
LONG 080 28 54 W
DRAINAGE AREA, 1 170 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	42 700	JUL	13 800
FEB	54 900	AUG	16 600
MAR	98 400	SEP	17 200
APR	41 600	OCT	51 200
MAY	30 400	NOV	72 400
JUN	15 000	DEC	80 700

TOTAL DISCHARGE, 535 000 dam³

GRAND RIVER BELOW SHAND DAM - STATION NO. 02GA016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.45E	17.7	12.9	4.74	4.78	4.60	4.78	4.16	5.73	3.97	6.80	32.5	1
2	5.45E	17.3	12.8	12.3	4.78	4.65	4.76	4.10	5.72	3.74	6.53	27.8	2
3	5.45E	17.0	12.9	24.9	4.78	4.74	4.77	4.09	5.74	3.80	6.41	22.7	3
4	5.88E	16.6	12.8	38.6	4.76	4.62	4.78	4.11	5.77	3.82	6.36	20.8	4
5	4.85E	16.3	8.27	19.9	4.81	4.64	4.76	4.19	5.75	3.99	6.38	18.4	5
6	5.15E	16.1	4.50	10.2	4.83	4.63	4.74	4.14	5.76	3.96	20.1	17.0	6
7	5.15E	15.2	4.05	11.8	4.82	4.62	4.74	4.59	5.70	3.92	40.8	16.6	7
8	5.15E	14.4	4.02	8.60	4.81	4.63	4.79	4.81	5.77	3.89	40.1	16.1	8
9	8.17E	14.3	3.92	5.56	4.86	4.68	4.81	4.81	5.70	3.95	34.6	15.7	9
10	8.92E	21.8	3.99	5.06	4.84	4.72	4.79	4.76	5.64	15.8	26.9	12.2	10
11	7.75E	26.8	4.26	13.4	4.62	4.87	4.82	4.90	5.64	22.3	23.5	10.6	11
12	7.75E	26.7	16.6	14.0	4.34	4.93	4.80	4.88	5.65	22.3	22.0	9.79	12
13	7.75E	18.6	69.3	7.68	4.33	4.89	4.81	4.93	5.62	22.1	17.0	9.94	13
14	7.75E	12.4	119	6.52	4.31	4.90	4.83	4.96	5.72	18.5	14.3	15.7	14
15	7.75E	13.7	95.8	11.2	4.30	4.91	4.86	5.39	5.40	16.7	12.7	18.8	15
16	7.75A	16.4	58.8	15.9	4.29	4.92	4.81	5.44	5.46	16.4	17.7	17.1	16
17	8.00	15.9	47.0	14.9	4.36	4.92	4.77	5.34	5.41	16.3	21.5	16.9	17
18	8.55	15.2	29.6	10.3	4.38	4.73	4.79	5.34	5.41	16.3	20.8	15.7	18
19	10.4	10.4	19.8	9.04	4.37	4.04	4.76	5.32	5.41	18.2	19.6	15.7	19
20	13.2	4.33	16.9	8.53	16.5	4.54	4.72	5.26	5.42	21.0	14.8	15.7	20
21	13.3	4.28	10.8	11.0	52.8	4.91	4.68	5.17	5.35	20.5	11.3	15.7	21
22	13.5	4.32	9.12	11.8	27.4	4.82	4.70	5.25	5.29	19.9	12.4	16.0	22
23	17.6	10.4	40.4	10.0	12.7	4.90	4.71	5.43	5.27	11.0	21.0	30.1	23
24	19.7	14.8	44.2	5.62	11.5	4.88	4.69	5.42	5.23	6.76	24.7	36.7	24
25	18.9	13.2	23.5	4.84	10.2	4.86	4.65	5.45	5.16	6.74	20.2	29.1	25
26	19.1	13.4	12.5	4.81	10.8	4.86	4.62	5.40	5.09	6.56	15.1	18.9	26
27	17.3	13.3	8.80	4.44	10.8	4.87	4.21	5.25	5.05	6.56	13.7	15.4	27
28	18.7	13.1	5.98	3.93	6.40	4.85	3.48	4.95	4.99	6.57	25.7	13.6	28
29	18.6		4.93	3.93	4.69	4.85	3.96	5.16	3.90	6.57	34.0	13.2	29
30	18.3		4.88	4.36	4.65	4.83	4.05	5.50	3.66	6.57	33.8	31.6	30
31	18.1		4.84		4.61		4.15	5.73		6.57		48.3	31
TOTAL	337.37	413.93	727.16	317.86	254.42	142.81	143.59	154.46	161.41	345.24	590.88	613.43	TOTAL
MEAN	10.9	14.8	23.5	10.6	8.21	4.76	4.63	4.98	5.38	11.1	19.7	19.8	MEAN
MAX	19.7	26.8	119	38.6	52.8	4.93	4.86	5.73	5.77	22.3	40.8	48.3	MAX
MIN	3.88	4.28	3.92	3.93	4.29	4.04	3.48	4.09	3.66	3.74	6.36	9.79	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.5
MAXIMUM DAILY, 119 ON MAR 14
MINIMUM DAILY, 3.48 ON JUL 28
MAXIMUM INSTANTANEOUS,
123 AT 08:44 EST ON MAR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 43 53 N
LONG 080 20 36 W
DRAINAGE AREA, 800 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1942

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	29 100	JUL	12 400
FEB	35 800	AUG	13 300
MAR	62 800	SEP	13 900
APR	27 500	OCT	29 800
MAY	22 000	NOV	51 100
JUN	12 300	DEC	53 000

TOTAL DISCHARGE, 363 000 dam³

GRAND RIVER NEAR DUNDALK - STATION NO. 02GA041

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	0.160B	0.610B	0.700B	1.36	0.282	0.158	0.100	0.037	0.012	0.018	0.175E	1.35	1
2	0.230B	0.560B	0.550B	2.53	0.204	0.409	0.082	0.026	0.012	0.012	0.165E	1.09	2
3	0.320B	0.530B	0.440B	3.76	0.199	0.400	0.074	0.023	0.010	0.018	0.155E	1.40	3
4	0.450B	0.510B	0.392B	2.36	0.174	0.402	0.062	0.022	0.009	0.019	0.145E	1.47 B	4
5	0.620B	0.490B	0.362B	1.61	0.308	0.337	0.057	0.023	0.009	0.029	0.800E	1.28 B	5
6	0.665B	0.480B	0.339B	1.18	0.335	0.352	0.045	0.021	0.012	0.027	4.47 E	1.19 B	6
7	0.640B	0.618B	0.330B	0.993	0.281	0.204	0.041	0.023	0.011	0.021	1.91 A	0.970B	7
8	0.570B	1.10 B	0.340B	0.875	0.251	0.160	0.041	0.018	0.010	0.022	1.47	0.830	8
9	0.500B	2.30 B	0.480B	0.819	0.235	0.144	0.045	0.017	0.010	0.176	1.10	0.786	9
10	0.455B	2.80 B	1.60 B	1.29	0.404	0.133	0.041	0.015	0.012	0.427	1.04	0.923B	10
11	0.400B	2.35 B	9.00 B	1.99	0.427	0.167	0.039	0.014	0.011	0.506	1.07	0.843B	11
12	0.350B	2.00 B	43.0 B	1.48	0.355	0.193	0.034	0.018	0.010	0.375	0.866	0.780	12
13	0.305B	1.83 B	27.0 B	1.16	0.317	0.162	0.035	0.019	0.009	0.421	0.762	3.24 B	13
14	0.285B	1.65 B	16.5	1.22	0.274	0.387	0.040	0.017	0.009	0.337	0.745	2.13 B	14
15	0.278B	1.45 B	10.7	1.77	0.247	0.429	0.038	0.017	0.015	0.276	1.40	1.30 B	15
16	0.355B	1.27 B	6.70	1.34	0.280	0.247	0.031	0.016	0.008	0.237	1.89	1.12	16
17	0.860B	1.15 B	4.44	1.44	1.73	0.186	0.031	0.015	0.007	0.301	1.29	0.962	17
18	1.80 B	1.03 B	2.50	1.22	2.39	0.145	0.030	0.014	0.007	0.533	0.910	1.49	18
19	1.75 B	0.950B	1.58	0.937	1.50	0.125	0.030	0.016	0.009	1.28 E	0.720	1.87	19
20	1.40 B	0.870B	1.33 B	0.815	6.18	0.102	0.037	0.016	0.008	0.920E	0.646	1.24 B	20
21	1.17 B	1.04 B	1.08 B	1.03	4.79	0.091	0.034	0.015	0.010	0.580E	0.613	0.950B	21
22	0.960B	1.76 B	1.52 B	0.902	1.91	0.092	0.033	0.014	0.009	0.470E	3.28	5.00	22
23	0.795B	2.60 B	3.34	0.699	1.19	0.143	0.033	0.016	0.010	0.400E	2.84	4.11	23
24	0.900B	2.30 B	1.73 B	0.610	0.888	0.225	0.028	0.012	0.008	0.350E	1.94	2.16 B	24
25	1.20 B	1.85 B	1.20 B	0.545	0.819	0.187	0.022	0.011	0.009	0.305E	1.70	1.85 B	25
26	1.25 B	1.50 B	0.860B	0.529	0.709	0.133	0.023	0.010	0.008	0.275E	1.26	1.62 B	26
27	1.15 B	1.25 B	0.720B	0.465	0.535	0.098	0.022	0.008	0.009	0.240E	4.93	1.37 B	27
28	1.00 B	1.03 B	0.721B	0.391	0.359	0.086	0.021	0.014	0.008	0.225E	6.78	1.13 B	28
29	0.850B		0.694	0.343	0.285	0.098	0.021	0.009	0.009	0.210E	3.55	12.0 B	29
30	0.750B		0.654	0.317	0.249	0.125	0.031	0.009	0.019	0.198E	1.87	14.0 B	30
31	0.660B		1.04		0.193		0.048	0.011		0.185E		6.00 B	31
TOTAL	23.078	37.878	141.842	35.980	28.300	6.120	1.249	0.516	0.299	9.393	50.492	76.454	TO
MEAN	0.745	1.35	4.58	1.20	0.913	0.204	0.040	0.017	0.010	0.303	1.68	2.47	ME
MAX	1.80	2.80	43.0	3.76	6.18	0.429	0.100	0.037	0.019	1.28	6.78	14.0	MA
MIN	0.160	0.480	0.330	0.317	0.174	0.086	0.021	0.008	0.007	0.012	0.145	0.780	MI

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.13
MAXIMUM DAILY, 43.0B ON MAR 12
MINIMUM DAILY, 0.007 ON SEP 17

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 08 24 N
LONG 080 21 50 W
DRAINAGE AREA, 62.9 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 990	JUL	108
FEB	3 270	AUG	44.6
MAR	12 300	SEP	25.8
APR	3 110	OCT	812
MAY	2 450	NOV	4 360
JUN	529	DEC	6 610

TOTAL DISCHARGE, 35 600 dam³

GRAND RIVER NEAR MARSVILLE - STATION NO. 02GA014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.18B	7.10B	10.0 B	15.3	2.25	1.92	4.53	0.512	0.710	2.82	2.90	14.3
2	3.21B	6.60B	9.10B	20.8	1.97	1.89	3.02	0.500	0.651	2.49	2.82	11.0
3	3.33B	6.10B	8.40B	33.2	1.79	7.83	2.16	0.435	0.607	1.94	2.83	8.41B
4	3.70B	5.75B	7.70B	24.3	1.65	7.48	1.70	0.413	0.589	2.07	2.61	9.59
5	5.70B	5.45B	7.20B	16.3	2.60	5.18	1.14	0.438	0.764	4.79	4.71	11.3 B
6	8.40B	5.20B	6.80B	11.6	3.48	3.70	0.918	0.421	0.699	4.78	58.4	11.6 B
7	13.2 B	5.15B	6.50B	9.08	3.00	2.87	0.867	0.379	0.655	2.83	42.2	10.1 B
8	11.5 B	9.10B	6.20B	7.27	2.58	2.49	0.823	0.365	0.623	1.99	25.8	8.71B
9	9.60B	18.0 B	6.00B	6.55	2.56	2.17	0.831	0.377	0.608	13.2	15.2	8.15B
10	8.30B	26.0 B	15.0 B	8.55	2.26	1.97	0.637	0.465	0.628	34.2	12.2	8.25
11	7.00B	24.0 B	40.0 B	17.5	2.89	1.70	0.527	0.453	0.608	27.8	10.7	9.19B
12	5.80B	22.0 B	115 B	13.8	3.21	1.66	0.433	0.528	0.517	18.7	9.09	7.91B
13	4.90B	19.8 B	220 B	9.84	2.90	1.63	0.418	0.687	0.579	17.9	8.27	23.0
14	4.40B	18.3 B	162	9.00	2.50	2.01	0.384	0.606	0.714	13.6	7.82	22.5 B
15	3.85B	16.8 B	85.6	13.9	2.24	3.64	0.432	0.616	0.939	9.83	13.6	15.1 B
16	3.57B	14.8 B	55.8	14.1	2.26	3.33	0.469	0.641	0.800	7.84	26.4	10.6
17	3.10B	13.5 B	41.9	13.3	7.04	2.16	0.401	0.620	0.825	13.4	18.7	8.73
18	20.3 B	12.1 B	27.8	11.7	20.5	1.76	0.371	0.541	0.811	22.2	12.2	11.1
19	18.2 B	11.0 B	17.8 B	8.82	16.6	1.46	0.341	0.538	0.816	22.7	8.84	17.0
20	15.5 B	10.5 B	12.0 B	7.65	29.6	0.988	0.585	0.540	0.779	14.2	7.29	12.3 B
21	12.5 B	10.0 B	12.3 B	10.1	54.8	1.08	0.528	0.552	0.772	9.77	6.69	9.57B
22	10.3 B	11.5 B	16.4	9.31	24.5	1.05	0.509	0.584	0.817	7.80	25.1	33.3
23	9.10B	15.0 B	45.1	7.34	13.5	2.45	0.548	0.571	0.806	6.31	30.3	45.1
24	13.8 B	18.5 B	23.8	6.16	8.56	5.90	0.535	0.543	0.783	5.44	26.8	23.4 B
25	14.9 B	19.8 B	15.2 B	5.09	6.59	4.89	0.476	0.497	0.759	4.74	18.4	13.0 B
26	14.7 B	17.2 B	11.5 B	4.63	5.25	3.42	0.472	0.553	0.881	4.14	14.5	9.80B
27	13.2 B	14.2 B	8.90B	4.60	4.60	2.49	0.470	0.517	0.702	3.86	26.2	9.00B
28	11.7 B	11.8 B	6.80B	4.00	3.85	1.87	0.387	0.855	0.792	3.67	57.0	8.96B
29	10.0 B		7.34B	3.38	3.14	2.96	0.396	1.22	0.857	3.41	37.5	45.0
30	8.75B		7.01	2.86	2.65	5.50	0.426	1.14	1.85	3.22	20.7	136
31	7.90B		8.60	2.52	2.18		0.573	0.863		3.15		52.8
TOTAL	290.59	375.25	1 013.75	327.95	242.90	89.448	26.247	17.970	23.045	294.79	560.77	624.77
MEAN	9.37	13.4	32.7	10.9	7.84	2.98	0.847	0.580	0.768	9.51	18.7	20.2
MAX	20.3	26.0	220	33.2	54.8	7.83	4.53	1.22	1.85	34.2	58.4	136
MIN	3.18	5.15	6.00	2.52	1.65	0.988	0.341	0.365	0.579	1.94	2.61	7.91

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.7
MAXIMUM DAILY, 220B ON MAR 13
MINIMUM DAILY, 0.341 ON JUL 19

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 51 43 N
LONG 080 16 22 W
DRAINAGE AREA, 694 km²
B - ICE CONDITIONS
REGULATED SINCE 1953

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	25 100	JUL	2 270
FEB	32 400	AUG	1 550
MAR	87 600	SEP	1 990
APR	28 300	OCT	25 500
MAY	21 000	NOV	48 500
JUN	7 730	DEC	54 000

TOTAL DISCHARGE, 336 000 dam³

GRASSY NARROWS LAKE AT GRASSY NARROWS - STATION NO. 05QE015

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	319.302	319.310E	---	318.850A	318.437	318.796	319.260	319.414	319.357	318.858	319.117	319.020	1
2	319.309	319.311E	---	318.834E	318.452	318.801	319.267	319.426	319.325	318.865	319.129	319.011	2
3	319.305	319.311E	---	318.820A	318.464	318.836	319.265	319.449	319.309	318.896	319.130	319.014	3
4	319.281	319.316E	---	318.796	318.485	318.834	319.275	319.465	319.311	318.932	319.120	319.015	4
5	319.261	319.316A	---	318.772	318.502	318.825	319.275	319.466	319.291	318.932	319.116	319.026	5
6	319.247	319.311A	---	318.754	318.516	318.847	319.266	319.475	319.277	318.948	319.134	319.021	6
7	319.248	319.313A	---	318.730	318.501	318.842	319.263	319.487	319.249	318.956	319.118	319.029	7
8	319.249	319.307A	---	318.717	318.521	318.849	319.310	319.494	319.236	318.963	319.099	319.039	8
9	319.244	319.314E	---	318.693	318.552	318.871	319.317	319.508	319.219	318.968	319.097	319.045	9
10	319.239	319.305A	---	318.669	318.574	318.880	319.312	319.513	319.200	318.974	319.074	319.041	10
11	319.255	319.303A	---	318.642	318.592	318.881	319.310	319.516	319.188	318.992	319.053	319.046	11
12	319.253	319.315A	---	318.617	318.612	318.912	319.313	319.525	319.165	319.005	319.019	319.060	12
13	319.247	319.314E	---	318.596	318.625	318.935	319.314	319.535	319.150	319.019	318.993	319.059	13
14	319.254	319.307E	---	318.570	318.650	318.957	319.316	319.546	319.133	319.049	318.985	319.070	14
15	319.257	319.299E	---	318.540	318.670	318.961	319.314	319.547	319.106	319.083	318.972	319.077	15
16	319.260	319.289E	---	318.519	318.690	318.972	319.312	319.549	319.058	319.102	318.964	319.090	16
17	319.260	319.289A	---	318.486	318.736	318.990	319.310	319.565	319.020	319.118	318.960	319.094	17
18	319.256	319.293A	---	318.460	318.760	319.020	319.312	319.566	319.005	319.135	318.962	319.098	18
19	319.256	319.293A	---	318.444	318.768	319.054	319.310	319.564	318.983	319.136	318.960	319.104	19
20	319.261	319.296A	---	318.427	318.785	319.075	319.306	319.562	318.945	319.151	318.967	319.119	20
21	319.265	319.302A	---	318.416	318.791	319.109	319.300	319.550	318.933	319.161	318.986	319.124	21
22	319.278	319.293A	---	318.406	318.803	319.145	319.298	319.533	318.921	319.152	319.002	319.132	22
23	319.274	319.290A	---	318.404	318.815	319.161	319.299	319.513	318.893	319.156	319.010	319.135	23
24	319.292	319.285A	---	318.405	318.820	319.175	319.305	319.495	318.867	319.154	319.002	319.143	24
25	319.297	319.280E	---	318.402	318.822	319.193	319.315	319.472	318.855	319.141	319.007	319.146	25
26	319.303	319.275E	318.968A	318.402	318.825	319.211	319.324	319.448	318.836	319.138	319.016	319.146	26
27	319.311A	319.270E	318.947	318.391	318.826	319.223	319.330	319.429	318.829	319.158	319.024	319.160	27
28	319.309E	319.265E	318.928	318.382	318.812	319.234	319.356	319.418	318.820	319.126	319.025	319.178	28
29	319.308E		318.909	318.393	318.808	319.251	319.384	319.398	318.819	319.121	319.018	319.169	29
30	319.313E		318.891	318.403	318.802	319.258	319.393	319.380	318.832	319.120	319.025	319.158	30
31	319.311E		318.876		318.801		319.405	319.367		319.116		319.164	31
MEAN	319.274	319.299	---	318.565	318.672	319.003	319.311	319.490	319.071	319.052	319.036	319.088	MEAN
MAX	319.313	319.316	---	318.850	318.826	319.258	319.405	319.566	319.357	319.161	319.134	319.178	MAX
MIN	319.239	319.265	---	318.382	318.437	318.796	319.260	319.367	318.819	318.858	318.960	319.011	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MAXIMUM DAILY, 319.566 ON AUG 18
MINIMUM DAILY, 318.382 ON APR 28
MAXIMUM INSTANTANEOUS,
319.567 AT 21:00 CST ON AUG 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 09 40 N
LONG 094 01 00 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ.)
APPLY -.183 m ADJUSTMENT TO CONVERT TO ONTARIO HYDRO PROJECT DATUM

GRAVEL RIVER NEAR CAVERS - STATION NO. 02AE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.95B	1.34B	1.23B	8.00B	70.3	8.53	6.60	3.09	2.12	6.68	13.0	6.20B	1
2	1.90B	1.33B	1.22B	8.20B	57.7	7.86	6.28	2.86	2.49	6.66	12.5	5.70B	2
3	1.86B	1.32B	1.22B	8.40B	46.8	7.53	6.11	2.68	2.31	11.8	12.3	5.30B	3
4	1.83B	1.31B	1.22B	8.65B	39.4	7.37	5.93	2.56	2.07	45.8	12.0	4.90B	4
5	1.79B	1.31B	1.22B	8.85B	34.6	7.10	5.67	2.44	1.89	42.8	11.4	4.60B	5
6	1.76B	1.30B	1.22B	9.10B	31.1	7.24	5.31	2.27	1.78	33.1	10.8	4.30B	6
7	1.73B	1.30B	1.23B	9.30B	29.0	7.14	5.00	2.11	1.65	29.1	10.2	4.05B	7
8	1.70B	1.30B	1.26B	9.60B	27.2	7.04	5.53	2.02	1.54	24.9	9.61	3.83B	8
9	1.68B	1.29B	1.30B	9.80B	27.5	7.73	7.08	1.90	1.47	21.5	9.19	3.63B	9
10	1.65B	1.29B	1.38B	10.1 B	26.6	8.17	7.47	1.86	1.40	18.6	8.82	3.46B	10
11	1.63B	1.28B	1.60B	10.5 B	24.4	8.09	7.09	1.78	1.34	16.4	8.47	3.28B	11
12	1.60B	1.28B	1.82B	10.9 B	21.8	7.86	6.49	1.68	1.53	15.4	7.89	3.14B	12
13	1.58B	1.28B	2.10B	11.3 B	19.9	7.77	5.87	1.60	1.52	15.4	8.06	3.02B	13
14	1.56B	1.27B	2.38B	11.7 B	18.5	7.59	5.33	1.53	2.31	15.7	9.26	2.88B	14
15	1.54B	1.27B	2.72B	12.1 B	17.6	7.22	4.87	1.44	3.86	16.5	7.53	2.79B	15
16	1.52B	1.27B	3.12B	12.7 B	16.6	6.77	4.65	1.40	4.86	16.0	6.88	2.68B	16
17	1.50B	1.26B	3.60B	13.2 B	19.3	6.51	4.54	1.39	5.17	15.0	6.47	2.58B	17
18	1.49B	1.26B	4.15B	14.0 B	21.0	7.52	5.50	1.38	4.90	15.5	6.61	2.49B	18
19	1.48B	1.26B	4.60B	14.0 B	20.0	8.75	5.43	1.27	5.08	15.1	6.10	2.42B	19
20	1.47B	1.26B	5.04B	15.7 B	18.5	8.97	4.98	1.16	5.05	14.2	5.74	2.36B	20
21	1.46B	1.25B	5.45B	17.0 E	16.9	8.69	4.59	1.07	6.26	18.4	7.16	2.29B	21
22	1.44B	1.25B	5.80B	18.8 E	16.0	8.82	4.53	0.994	12.4	22.9	11.9	2.24B	22
23	1.42B	1.25B	6.10B	21.5	15.6	8.80	4.49	0.936	14.1	22.6	14.1	2.19B	23
24	1.41B	1.24B	6.35B	30.7	15.2	8.30	4.54	0.907	13.2	21.4	12.7	2.14B	24
25	1.40B	1.24B	6.60B	53.1	14.7	7.70	4.59	1.15	11.9	20.2	11.3 B	2.10B	25
26	1.39B	1.23B	6.80B	74.6	14.0	7.93	4.50	1.50	10.4	18.7	10.0 B	2.06B	26
27	1.38B	1.23B	7.05B	90.0 E	12.9	7.84	4.25	1.54	9.22	17.3	9.00B	2.02B	27
28	1.37B	1.23B	7.25B	96.0 E	12.2	7.49	4.05	1.73	9.26	16.4	8.05B	1.98B	28
29	1.36B		7.45B	93.0 E	11.6	7.21	3.85	1.80	9.55	15.6	7.40B	1.95B	29
30	1.35B		7.65B	86.0 E	11.1	6.90	3.61	1.78	7.05	14.6	6.75B	1.92B	30
31	1.35B		7.80B		9.86		3.33	1.72		13.7		1.88B	31
TOTAL	48.55	35.70	117.93	797.60	736.86	232.44	162.06	53.547	154.78	597.94	280.19	96.38	TOTAL
MEAN	1.57	1.28	3.80	26.6	23.8	7.75	5.23	1.73	5.16	19.3	9.34	3.11	MEAN
MAX	1.95	1.34	7.80	96.0	70.3	8.97	7.47	3.09	14.1	45.8	14.1	6.20	MAX
MIN	1.35	1.23	1.22	8.00	9.86	6.51	3.33	0.907	1.34	6.66	5.74	1.88	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MEAN, 9.08
MAXIMUM DAILY, 96.0E ON APR 28
MINIMUM DAILY, 0.907 ON AUG 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 55 34 N
LONG 087 41 27 W
DRAINAGE AREA, 616 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	4 190	JUL	14 000
FEB	3 080	AUG	4 630
MAR	10 200	SEP	13 400
APR	68 900	OCT	51 700
MAY	63 700	NOV	24 200
JUN	20 100	DEC	8 330

TOTAL DISCHARGE, 286 000 dam³

GREENWATER CREEK AT OUTLET OF GREENWATER LAKE - STATION NO. 02AB012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	3.60	---	---	---	---	1
2	---	---	---	---	---	---	4.80	---	---	---	---	---	2
3	---	---	---	---	3.10	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	5.00	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	1.00	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	1.30	---	---	---	28
29	---	---	---	---	---	---	---	---	---	---	---	---	29
30	---	---	---	---	---	---	---	2.30	---	---	---	---	30
31	---		---		---		---	---		---		---	31
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 48 36 28 N
LONG 090 27 21 W
DRAINAGE AREA, 174 km²

REGULATED SINCE 1953

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	---
APR	---	OCT	---
MAY	---	NOV	---
JUN	---	DEC	---

DATA CONTRIBUTED BY -
ONTARIO HYDRO

GRINDSTONE CREEK NEAR ALDERSHOT - STATION NO. 02HB012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.211B	0.928B	1.21 B	0.996	0.440	0.478	0.158	0.094	0.158	0.170	0.199	0.504	1
2	0.200B	1.06 B	1.29 B	1.22	0.383	0.439	0.149	0.087	0.139	0.150	0.187	0.453	2
3	0.443B	0.962B	1.07 B	1.43	0.343	0.860	0.138	0.081	0.125	0.137	0.185	0.891	3
4	1.82 B	0.887B	0.982B	1.65	0.375	0.827	0.134	0.073	0.117	0.332	0.187	2.26 B	4
5	1.51 B	0.800B	0.938B	1.42	0.881	0.619	0.126	0.085	0.134	0.266	1.20	1.73 B	5
6	1.32 B	0.769B	0.871B	1.09	0.630	0.521	0.105	0.082	0.125	0.204	3.14	1.43	6
7	1.16 B	0.776	0.768B	0.944	0.498	0.453	0.097	0.082	0.135	0.176	1.73	1.12	7
8	1.02 B	1.28	0.746B	0.864	0.445	0.491	0.107	0.069	0.116	0.281	1.16	0.974	8
9	1.22 B	4.56 B	0.612B	0.799	0.400	0.464	0.797	0.067	0.114	0.581	0.957	0.940B	9
10	1.57 B	3.27 B	0.693	1.20	0.417	0.421	0.284	0.068	0.136	0.648	0.952	0.908B	10
11	0.998B	1.54 B	2.34	1.99	0.365	0.348	0.181	0.067	0.120	0.585	0.881	0.880B	11
12	0.549B	1.39 B	6.00 B	1.42	0.343	0.286	0.156	0.209	0.121	1.05	0.816	0.951B	12
13	0.514B	1.30 B	12.5 B	1.14	2.35	0.260	0.131	0.374	0.115	1.46	0.771	1.40	13
14	0.602B	1.39 B	6.00 B	1.14	1.80	0.239	0.137	0.246	0.211	0.827	0.700	1.18	14
15	0.448B	1.16 B	5.40 B	1.18	1.06	0.204	0.276	0.172	0.169	0.510	0.662	0.899	15
16	0.302B	1.03 B	4.20 B	1.04	3.50	0.187	0.187	0.144	0.144	0.358	0.643	0.872B	16
17	1.31 B	0.904B	3.40 B	1.17	4.61	0.161	0.181	0.121	0.128	0.638	0.601	0.881	17
18	5.50 B	0.782B	2.90 B	1.01	4.67	0.276	0.150	0.216	0.123	0.546	0.529	1.38	18
19	2.10 B	0.645B	2.28 B	0.911	2.53	0.292	0.130	0.601	0.138	0.507	0.477	1.74	19
20	1.33 B	0.602B	1.93 B	1.02	3.11	0.220	0.173	0.338	0.125	0.393	0.444	1.21	20
21	1.09 B	0.801B	2.00	1.35	3.35	0.181	0.139	0.274	0.126	0.324	0.424	1.42	21
22	0.895B	1.72 B	1.90	1.12	2.35	0.198	0.221	0.217	0.129	0.286	0.472	2.29	22
23	0.797B	5.77	1.72 B	0.985	1.99	0.226	0.235	0.177	0.121	0.255	0.531	6.56	23
24	1.19 B	3.30	1.40 B	0.875	1.56	0.239	0.190	0.156	0.116	0.249	0.557	3.60	24
25	1.64	2.04 B	1.20 B	0.801	1.30	0.215	0.157	0.135	0.120	0.248	0.504	3.09 B	25
26	1.74	1.85 B	1.13 B	0.714	1.05	0.190	0.133	0.113	0.125	0.249	0.447	2.84 B	26
27	1.30	1.73 B	0.940B	0.654	0.935	0.172	0.120	0.176	0.117	0.237	0.721	2.61 B	27
28	1.16 B	1.54 B	0.917B	0.566	0.791	0.150	0.116	0.920	0.114	0.224	0.763	3.12 B	28
29	0.938B		0.899	0.531	0.751	0.185	0.106	0.479	0.123	0.215	0.637	11.9	29
30	0.840B		0.983	0.483	0.662	0.157	0.108	0.283	0.263	0.215	0.550	12.8	30
31	0.753B		1.03		0.538		0.100	0.193		0.201		4.69 B	31
TOTAL	36.470	44.786	70.248	31.713	44.317	9.959	5.422	6.369	4.044	12.524	22.027	77.523	TOTAL
MEAN	1.18	1.60	2.27	1.06	1.43	0.332	0.175	0.206	0.135	0.404	0.734	2.50	MEAN
MAX	5.50	5.77	12.5	1.99	4.67	0.860	0.797	0.920	0.263	1.46	3.14	12.8	MAX
MIN	0.200	0.602	0.612	0.483	0.343	0.150	0.097	0.067	0.112	0.137	0.185	0.453	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.00
MAXIMUM DAILY, 12.8 ON DEC 30
MINIMUM DAILY, 0.067 ON AUG 09
MAXIMUM INSTANTANEOUS,
19.6 AT 01:35 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 18 03 N
LONG 079 52 10 W
DRAINAGE AREA, 82.6 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 150	JUL	468
FEB	3 870	AUG	550
MAR	6 070	SEP	349
APR	2 740	OCT	1 080
MAY	3 830	NOV	1 900
JUN	860	DEC	6 700

TOTAL DISCHARGE, 31 600 dam³

GROUNDHOG RIVER AT FAUQUIER - STATION NO. 04LD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	49.5B	72.0B	44.5B	134B	918	287	254	139	40.2	116	379	132 B	1
2	50.0B	72.0B	44.2B	136B	815	266	257	131	41.9	104	350	126 B	2
3	51.0B	72.0B	44.5B	140B	713	260	253	119	41.6	95.9	330	121 B	3
4	53.0B	72.0B	45.5B	144B	628	272	291	111	40.3	90.4	317	119 B	4
5	56.0B	71.0B	46.0B	150B	556	291	336	104	39.0	88.0	304	120 B	5
6	60.0B	70.0B	46.0B	157B	494	284	314	98.0	38.6	86.8	283	126 B	6
7	63.5B	69.5B	46.0B	160B	441	275	274	92.1	37.4	84.3	260	129 B	7
8	64.5B	68.5B	46.0B	158B	401	263	247	87.8	35.0	81.4	239	119 B	8
9	65.5B	67.5B	46.0B	156B	373	251	285	86.2	34.0	77.7	223	105 B	9
10	66.0B	66.5B	46.0B	153B	359	263	336	88.0	34.1	75.2	212	99.5B	10
11	66.0B	65.5B	46.0B	149B	348	270	345	84.6	32.7	74.5	201	96.0B	11
12	66.0B	64.5B	46.5B	147B	364	254	321	77.8	33.0	79.4	187B	94.0B	12
13	66.0B	63.5B	47.0B	144B	439	238	286	69.3	33.1	87.3	179B	92.5B	13
14	66.5B	62.5B	50.0B	141B	524	225	253	64.6	41.6	90.2	176B	91.5B	14
15	67.0B	61.5B	56.0B	141B	571	212	223	57.0	92.2	91.8	174B	90.5B	15
16	67.5B	60.0B	64.0B	145B	578	198	197	53.3	161	98.0	159B	89.5B	16
17	67.5B	59.0B	76.0B	152B	575	183	179	51.5	159 A	104	147B	88.5B	17
18	67.5B	58.0B	96.0B	155B	665	200	169	50.8	149 E	173	136B	87.6B	18
19	67.5B	57.5B	122 B	157B	884	274	166	49.8	134 E	566	128B	86.5B	19
20	67.5B	56.5B	155 B	166B	928	278	160	49.0	125 E	637	122B	85.5B	20
21	67.5B	55.0B	175 B	180B	852	262	147	47.5	119 E	608	118	83.0B	21
22	67.5B	53.5B	180 B	245B	773	254	136	46.0	116 E	686	121	80.5B	22
23	67.4B	52.5B	178 B	360B	711	257	128	44.6	130 E	693	133	78.CB	23
24	67.3B	52.0B	175 B	540B	655	240	120	43.4	155 E	652	145	75.0B	24
25	67.2B	51.0B	171 B	770B	602	216	118	42.0	177 E	610	145B	72.0B	25
26	67.2B	50.0B	167 B	930B	549	198	114	42.1	178 E	561	141B	67.0B	26
27	67.5B	48.5B	160 B	1 080	503	189	108	43.4	174 E	514	143B	64.5B	27
28	68.0B	47.5B	152 B	1 110	460	191	102	42.4	162 A	483	147B	61.5B	28
29	69.0B		142 B	1 020	420	191	96.7	41.8	146	458	150B	60.5B	29
30	70.0B		134 B	976	386	222	98.5	40.9	130	427	143B	59.5B	30
31	71.5B		132 B		318		116	40.0		403		59.0B	31
TOTAL	1 998.1	1 719.5	2 979.2	10 196	17 783	7 264	6 430.2	2 134.9	2 829.9	8 995.9	5 892	2 859.1	TOTAL
MEAN	64.5	61.4	96.1	340	574	242	207	68.9	94.3	290	196	92.2	MEAN
MAX	71.5	72.0	180	1 110	928	291	345	139	178	693	379	132	MAX
MIN	49.5	47.5	44.2	134	318	183	96.7	40.0	32.7	74.5	118	59.0	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 195
MAXIMUM DAILY, 1 110 ON APR 28
MINIMUM DAILY, 32.7 ON SEP 11
MAXIMUM INSTANTANEOUS,
1 130 AT 03:07 EST ON APR 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 19 07 N
LONG 082 02 25 W
DRAINAGE AREA, 11 900 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	173 000	JUL	556 000
FEB	149 000	AUG	184 000
MAR	257 000	SEP	245 000
APR	881 000	OCT	777 000
MAY	1 540 000	NOV	509 000
JUN	628 000	DEC	247 000

TOTAL DISCHARGE, 6 150 000 dam³

GULL RIVER AT NORLAND - STATION NO. 02HF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	14.9	17.9	14.1	12.9	39.1	13.2	11.8	12.4	12.4	11.4	12.8	40.0	1
2	14.8	18.0	13.8	13.2	36.8	12.1	11.2	15.3	12.6	11.5	12.9	41.3	2
3	14.7	17.9	13.6	14.9	36.6	12.2	10.6	18.8	12.7	11.7	12.9	45.1	3
4	14.8	17.7B	13.4	22.0	32.3	13.8	10.6	19.8	13.5	12.8	12.4	47.8	4
5	15.0	17.6B	13.1	22.0	29.3	13.7	12.0	18.5	13.9	13.8	12.3	50.2	5
6	15.0	17.6	13.0	22.2	29.6	13.7	12.7	18.0	13.3	13.3	12.7	49.5	6
7	14.8	17.3	12.8	22.8	27.6	13.7	12.4	17.6	13.7	13.0	13.3	48.2	7
8	14.7	17.1	12.4	23.8	25.0	13.5	13.0	17.4	13.6	13.2	13.6	47.0	8
9	14.6	17.1	12.2	23.2	24.4	12.2	14.3	18.5	13.3	12.5	14.3	45.8	9
10	14.7	17.2	12.1	23.6	23.6	13.6	14.1	19.0	12.4	13.9	14.3	44.8	10
11	14.6	17.1B	11.8	22.8	24.7	13.3	12.8	19.2	12.6	15.7	14.2	42.4	11
12	14.5B	17.1B	12.4	23.4	24.8	13.1	12.5	19.0	12.6	16.4	14.2B	41.0	12
13	14.5B	17.2	13.3	23.0	24.6	12.8	13.1	19.1	12.6	15.2	14.2B	39.6	13
14	14.4	17.1	14.5	22.4	23.7	13.0	13.3	19.2	12.6	12.9	14.2	38.2	14
15	14.3	17.3	17.8	22.5	23.1	12.8	12.1	12.0	12.6	12.0	14.1	38.9	15
16	14.2	17.3	21.7	22.1	23.4	12.7	12.4	12.6	13.8	11.8	14.2	38.7	16
17	14.2	16.9B	25.3	22.4	24.8	12.4	12.9	12.6	13.3	11.8	14.2	38.1	17
18	15.0	16.4B	30.9	22.1	27.4	12.2	13.0	12.5	12.6	11.9	14.3	37.6	18
19	15.5	16.0B	32.8	21.7	28.9	11.7	12.9	12.6	12.0	11.9	14.7	33.4	19
20	16.0	15.8	31.6	20.9	36.6	11.3	15.6	12.2	11.9	11.7	15.9	26.8	20
21	16.6	15.3	30.4	20.1	41.6	11.4	13.2	12.4	11.9	11.5	17.0	26.2	21
22	17.0	15.1	25.0	19.9	41.0	11.3	13.2	12.3	12.1	11.6	17.6	25.7	22
23	17.1	15.6	21.0	19.1	40.4	11.7	14.3	13.3	11.9	11.7	17.8	28.7	23
24	17.2	15.6	22.1	17.2	38.3	12.2	14.3	15.3	11.9	11.6	18.3	31.6	24
25	17.5	15.2	23.1	17.4	37.5	13.4	13.2	14.7	12.1	12.5	18.6	32.6	25
26	17.7	15.0	24.5	18.5	37.5	14.6	11.9	14.9	11.9	13.0	23.5	32.3	26
27	17.8	14.8	21.5	23.1	36.8	14.5	12.0	15.0	11.6	13.0	27.0	32.1	27
28	17.9	14.5	19.9	27.4	30.2	13.4	11.7	15.9	11.6	12.9	29.4	32.1	28
29	18.0		19.8	26.8	23.3	12.3	12.2	12.6	11.5	12.9	34.9	32.9	29
30	18.0		23.2	33.6	19.4	11.8	12.4	12.4	10.7	12.9	38.8	35.1	30
31	18.0		14.9		15.5		12.8	12.3		12.9		39.0	31
TOTAL	488.0	464.9	571.1	647.0	927.8	383.6	394.5	472.4	374.9	394.9	518.6	1 183.5	TOTAL
MEAN	15.7	16.6	18.4	21.6	29.9	12.8	12.7	15.2	12.5	12.7	17.3	38.2	MEAN
MAX	18.0	18.0	32.8	33.6	41.6	14.6	15.6	19.8	13.9	16.4	38.8	50.2	MAX
MIN	14.2	14.5	11.8	12.9	15.5	11.3	10.6	12.0	10.7	11.4	12.3	25.7	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.7
MAXIMUM DAILY, 50.2 ON DEC 05
MINIMUM DAILY, 10.6 ON JUL 03
MAXIMUM INSTANTANEOUS,
50.4 AT 14:29 EST ON DEC 05

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 43 55 N
LONG 078 49 08 W
DRAINAGE AREA, 1 280 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	42 200	JUL	34 100
FEB	40 200	AUG	40 800
MAR	49 300	SEP	32 400
APR	55 900	OCT	34 100
MAY	80 200	NOV	44 800
JUN	33 100	DEC	102 000

TOTAL DISCHARGE, 589 000 dam³

HALFWAY CREEK AT MOOSONEE - STATION NO. 04KA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.187	0.117B	0.080B	0.107	19.0 B	2.43	1.88	0.250	0.247	1.86	1.67	0.557	1
2	0.183	0.114	0.081B	0.107	18.5	2.25	1.70	0.218	0.229	1.72	1.78	0.550B	2
3	0.177B	0.109	0.082B	0.112B	14.3	5.31	1.56	0.214	0.207	1.56	2.27	0.545B	3
4	0.174B	0.107	0.080B	0.112	12.4	8.46	1.37	0.496	0.258	1.44	2.40	0.540B	4
5	0.171B	0.107	0.078B	0.110	10.6	8.86	1.19	1.14	0.383	1.39	2.21	0.520B	5
6	0.169B	0.105B	0.075B	0.119B	8.71	8.64	1.07	1.04	0.499	1.37	1.89	0.505B	6
7	0.167B	0.104B	0.074B	0.123B	7.50	8.26	0.958	0.776	0.440	1.23	1.74 B	0.490B	7
8	0.164B	0.103B	0.078B	0.125B	6.55	7.71	1.06	0.607	0.350	1.10	1.69	0.475B	8
9	0.162B	0.102B	0.085B	0.127B	5.92	6.99	1.66	0.621	0.317	1.02	1.58	0.465B	9
10	0.159B	0.100B	0.089B	0.128B	5.20	6.23	1.68	0.765	0.300	0.909	1.41	0.450B	10
11	0.157B	0.099B	0.090B	0.130B	4.33	5.52	1.50	0.728	0.271	1.06	1.28	0.440B	11
12	0.155B	0.098B	0.086	0.145B	4.46	4.82	1.26	0.587	0.284	1.37	1.09	0.425B	12
13	0.151B	0.096B	0.087	0.157	4.94	4.22	1.07	0.470	0.278	1.51	1.12	0.415B	13
14	0.149B	0.094B	0.093	0.157	5.83	5.10	0.915	0.369	0.301	1.53	1.11	0.400B	14
15	0.147B	0.092B	0.094	0.152	6.49	5.05	0.751	0.350	0.335	1.77	1.04	0.390B	15
16	0.145B	0.091B	0.090	0.146B	6.72	4.51	0.650	0.358	0.331	2.01	0.977	0.375B	16
17	0.143B	0.090B	0.083	0.131B	6.83	3.81	0.626	0.346	0.310	1.95	0.787	0.366	17
18	0.142B	0.088B	0.083	0.133B	6.94	3.96	0.626	0.309	0.279	1.84	0.790	0.366	18
19	0.141B	0.087B	0.081	0.141	7.20	3.91	0.515	0.289	0.277	2.23	0.695	0.365B	19
20	0.137	0.086B	0.080B	0.150	7.24	3.36	0.458	0.254	0.297	2.38	0.644	0.355B	20
21	0.138	0.086B	0.079B	0.156	6.88	2.96	0.380	0.236	0.315	2.25	0.631	0.350B	21
22	0.137	0.085B	0.078B	0.173	6.39	3.19	0.339	0.222	0.535	2.36	0.722	0.343B	22
23	0.138	0.085B	0.077B	0.181	5.88	3.49	0.331	0.205	1.69	2.46	0.868	0.337B	23
24	0.137	0.085B	0.076B	0.263	5.35	3.26	0.336	0.174	2.57	2.41	0.810B	0.328B	24
25	0.133	0.085B	0.076B	0.515B	4.89	2.90	0.359	0.170	2.45	2.45	0.755	0.320B	25
26	0.130B	0.084B	0.076B	2.89 B	4.39	3.01	0.383	0.227	2.20	2.41	0.659	0.313B	26
27	0.129B	0.082B	0.076B	5.60 B	3.96	3.15	0.310	0.228	2.12	2.24	0.645	0.308B	27
28	0.119	0.081B	0.076B	11.0 B	3.58	2.86	0.257	0.267	2.28	2.13	0.620	0.301B	28
29	0.124B		0.094B	15.0 B	3.25	2.50	0.236	0.284	2.23	2.00	0.597	0.296B	29
30	0.122B		0.118	19.4 B	2.90	2.19	0.273	0.270	2.02	1.85	0.562	0.290B	30
31	0.120B		0.115		2.59		0.245	0.259		1.72		0.285B	31
TOTAL	4.607	2.662	2.610	57.790	219.72	138.91	25.948	12.729	24.603	55.529	35.042	12.465	TOTA
MEAN	0.149	0.095	0.084	1.93	7.09	4.63	0.837	0.411	0.820	1.79	1.17	0.402	MEAN
MAX	0.187	0.117	0.118	19.4	19.0	8.86	1.88	1.14	2.57	2.46	2.40	0.557	MAX
MIN	0.119	0.081	0.074	0.107	2.59	2.19	0.236	0.170	0.207	0.909	0.562	0.285	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.62
MAXIMUM DAILY, 19.4B ON APR 30
MINIMUM DAILY, 0.074B ON MAR 07

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 15 16 N
LONG 080 39 14 W
DRAINAGE AREA, 133 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	398	JUL	2 240
FEB	230	AUG	1 100
MAR	226	SEP	2 130
APR	4 990	OCT	4 800
MAY	19 000	NOV	3 030
JUN	12 000	DEC	1 080

TOTAL DISCHARGE, 51 200 dam³

HARMONY CREEK AT OSHAWA - STATION NO. 02HD013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.096B	0.148B	0.177	0.430	0.123	0.069	0.284	0.045	0.033	0.098	0.104	0.142	1
2	0.092B	0.137B	1.45	1.13	0.091	0.088	0.103	0.037	0.029	0.088	0.116	0.138	2
3	0.090B	0.130B	0.695B	1.31	0.088	0.500	0.067	0.041	0.025	0.048	0.094	0.317	3
4	0.200B	0.126B	0.474B	1.94	0.089	0.142	0.052	0.043	0.027	0.555	0.102	1.63	4
5	0.160B	0.143	0.223B	1.20	0.271	0.088	0.048	0.196	1.47	0.143	0.548	0.801	5
6	0.130B	0.200B	0.100B	0.595	0.130	0.099	0.039	0.040	0.090	0.073	0.623	0.463	6
7	0.093B	0.400B	0.116B	0.427	0.109	0.071	0.035	0.034	0.063	0.056	0.271	0.412	7
8	0.083B	0.800B	0.237B	0.336	0.109	0.252	0.429	0.032	0.047	0.147	0.217	0.483	8
9	0.100B	1.70 B	0.329B	0.349	0.095	0.265	0.181	0.033	0.041	0.840	0.195	0.536	9
10	0.200B	0.600B	0.439B	2.84	0.162	0.115	0.047	0.032	0.048	0.375	0.204	0.639	10
11	0.150B	0.400B	3.75	1.87	0.102	0.070	0.043	0.038	0.051	0.490	0.180	0.391	11
12	0.100B	0.250B	10.6	0.679	0.083	0.062	0.041	0.523	0.036	0.709	0.155	0.295	12
13	0.080B	0.185B	2.37	0.547	0.427	0.180	0.042	0.898	0.035	0.579	0.133	0.446	13
14	0.070B	0.360B	1.25	0.804	0.167	0.078	0.038	0.117	0.408	0.264	0.121	0.398B	14
15	0.100B	0.400B	0.975	0.938	0.117	0.061	1.90	0.892	0.172	0.218	0.128	0.274	15
16	0.140B	0.150B	0.910	0.601	0.582	0.048	0.211	0.173	0.052	0.153	0.162	0.244	16
17	0.210B	0.200B	0.837	0.761	2.46	0.059	0.101	0.100	0.042	0.756	0.131	0.218	17
18	1.03 B	0.166B	0.588	0.357	0.846	0.056	0.062	0.153	0.036	1.17	0.109	1.06	18
19	0.270B	0.150B	0.405	0.279	0.408	0.043	0.057	0.065	0.107	0.579	0.101	0.817B	19
20	0.245B	0.137B	0.290B	0.612	1.52	0.042	0.522	0.051	0.044	0.283	0.093	0.857B	20
21	0.190B	0.129B	0.285B	0.840	0.802	0.231	0.119	0.052	0.040	0.224	0.096	0.961	21
22	0.155B	6.59	0.491	0.471	0.433	0.067	0.414	0.048	0.052	0.191	0.451	1.71	22
23	0.130B	5.87	0.737	0.347	0.284	0.194	0.628	0.043	0.046	0.161	0.301	5.34	23
24	0.300B	1.08 B	0.374	0.272	0.235	0.074	0.177	0.039	0.038	0.144	0.229	1.22 B	24
25	0.940B	0.775B	0.285B	0.258	0.201	0.047	0.101	0.037	0.041	0.131	0.359	1.81 B	25
26	0.420B	0.391	0.277	0.270	0.160	0.043	0.071	0.035	0.044	0.108	0.206	1.40	26
27	0.360B	0.316	0.270	0.424	0.138	0.266	0.055	0.034	0.033	0.126	0.272	0.628	27
28	0.450B	0.191	0.437B	0.187	0.109	0.043	0.058	0.090	0.033	0.278	0.254	0.664	28
29	0.220B		0.214	0.168	0.087	0.534	0.062	0.031	0.083	0.148	0.210	4.30	29
30	0.170B		0.437	0.135	0.076	1.24	0.049	0.040	0.686	0.124	0.167	3.29	30
31	0.163B		0.471		0.065		0.054	0.036		0.120		0.996B	31
TOTAL	7.137	22.124	30.293	21.177	10.569	5.127	6.090	4.028	3.952	9.379	6.332	32.880	TOTA
MEAN	0.230	0.790	0.977	0.706	0.341	0.171	0.197	0.130	0.132	0.303	0.211	1.06	MEAN
MAX	1.03	6.59	10.6	2.84	2.46	1.24	1.90	0.898	1.47	1.17	0.623	5.34	MAX
MIN	0.070	0.126	0.100	0.135	0.065	0.042	0.035	0.031	0.025	0.048	0.093	0.138	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.436
MAXIMUM DAILY, 10.6 ON MAR 12
MINIMUM DAILY, 0.025 ON SEP 03
MAXIMUM INSTANTANEOUS,
23.0 AT 02:02 EST ON MAR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 53 15 N
LONG 078 49 30 W
DRAINAGE AREA, 41.6 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	617	JUL	526
FEB	1 910	AUG	348
MAR	2 620	SEP	341
APR	1 830	OCT	810
MAY	913	NOV	547
JUN	443	DEC	2 840

TOTAL DISCHARGE, 13 700 dam³

HIGHLAND CREEK NEAR WEST HILL - STATION NO. 02HC013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.03	1.30	0.778	0.641	0.479	0.435	1.34	0.359	0.347	0.653	0.355	0.417	1
2	0.664	1.39	2.53	1.66	0.459	0.435	0.511	0.378	0.310	0.909	0.346	0.352	2
3	0.975	0.265B	1.15 B	1.15	0.443	3.40	0.417	0.390	0.302	0.336	0.341	3.27	3
4	7.65	0.255B	0.510B	1.26	0.522	1.20	0.422	0.385	0.329	4.63	0.531	7.51	4
5	1.00	0.250B	0.450B	1.65	3.40	0.430	0.400	3.71	0.536	1.34	5.07	1.31	5
6	0.392	1.12	0.440B	0.937	0.540	0.611	0.378	0.474	0.386	0.389	3.32	1.06	6
7	0.348E	1.63	0.420B	0.699	0.466	0.426	0.355	0.382	0.375	0.317	0.649	0.978	7
8	0.295E	3.18	0.560B	0.608	0.486	2.64	1.37	0.361	0.332	1.56	0.589	1.14	8
9	0.395E	3.68	0.819	0.553	0.459	0.778	1.60	0.366	0.316	7.63	0.428	1.13	9
10	5.56 E	0.979	1.46	5.26	2.62	0.454	0.381	0.384	0.342	3.24	0.769	1.38	10
11	1.60 E	0.470	4.95	2.69 E	0.534	0.443	0.350	0.519	0.348	2.21	0.740	0.743	11
12	0.547	0.378	16.3	0.722E	0.446	0.392	0.345	3.64	0.348	7.89	0.788	0.715	12
13	0.194	0.799	3.54	0.455E	3.91	1.06	0.332	16.6	0.344	3.04	0.459	1.10	13
14	0.221	1.26	2.27	1.31 E	0.646	1.16	0.335	1.31	4.36	0.692	0.397	0.622	14
15	0.352	0.311	1.57	0.966E	0.508	0.534	6.53	2.61	1.78	0.643	0.396	0.941	15
16	0.550	0.558	1.30	0.480E	8.97	0.379	0.731	1.20	0.431	0.447	0.513	1.12	16
17	4.10	0.852	1.15	1.98 E	3.31	0.366	1.54	0.512	0.330	5.88	0.411	0.589	17
18	2.73	0.530B	0.921	0.698	1.32	0.382	0.765	0.816	0.309	3.69	0.320	4.14	18
19	0.552	0.480B	1.07	0.638	0.680	0.341	0.419	1.61	0.670	0.932	0.336	1.65	19
20	0.333	0.390B	1.07	2.64	9.80	0.350	5.69	0.498	0.427	0.540	0.343	0.657	20
21	0.319	0.697	0.826	1.81	1.58	2.23	0.654	0.401	0.381	0.469	0.341	3.42	21
22	0.444	17.8	0.991	0.741	0.903	0.745	3.92	0.421	1.02	0.445	2.77	3.42	22
23	0.552	9.00	1.61	0.685	0.752	1.87	3.81	0.415	0.815	0.434	0.719	13.5	23
24	5.29	1.72	0.853	0.637	0.656	0.489	0.558	0.404	0.396	0.415	0.451	1.76	24
25	2.50	0.600B	0.645	0.612	0.574	0.350	0.465	0.377	0.471	0.398	0.964	1.04	25
26	1.40	0.560B	0.592	0.599	0.538	0.340	0.443	0.366	0.607	0.365	0.395	0.700	26
27	0.403	0.540B	0.545	0.578	1.16	1.84	0.419	2.09	0.308	0.398	1.33	0.564	27
28	0.437	0.520B	0.513	0.548	0.582	0.346	0.421	1.80	0.317	1.12	0.887	0.898	28
29	0.361		0.496	0.509	0.607	8.89	0.377	0.439	0.372	0.376	0.463	15.0	29
30	0.683		1.71	0.473	0.453	7.21	0.800	0.382	5.76	0.391	0.487	5.78	30
31	0.653		1.05		0.425		0.776	0.350		0.333		1.47	31
TOTAL	43.891	51.514	53.089	36.189	48.828	40.526	36.854	43.949	23.369	52.142	25.908	78.476	TOTAL
MEAN	1.42	1.84	1.71	1.21	1.58	1.35	1.19	1.42	0.779	1.68	0.864	2.53	MEAN
MAX	7.65	17.8	16.3	5.26	9.80	8.89	6.53	16.6	5.76	7.89	5.07	15.0	MAX
MIN	0.194	0.250	0.420	0.455	0.425	0.340	0.332	0.350	0.302	0.317	0.320	0.352	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.47
MAXIMUM DAILY, 17.8 ON FEB 22
MINIMUM DAILY, 0.194 ON JAN 13
MAXIMUM INSTANTANEOUS,
70.9 AT 08:55 EST ON JUN 29

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 46 42 N
LONG 079 11 28 W
DRAINAGE AREA, 86.2 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 790	JUL	3 180
FEB	4 450	AUG	3 800
MAR	4 590	SEP	2 020
APR	3 130	OCT	4 510
MAY	4 220	NOV	2 240
JUN	3 500	DEC	6 780

TOTAL DISCHARGE, 46 200 dam³

HOG CREEK NEAR VICTORIA HARBOUR - STATION NO. 02ED017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.500B	0.570B	0.540B	0.569	0.266	0.148	0.295	0.259	0.046	0.391	0.241	0.804	1
2	0.700B	0.545B	0.516	0.845	0.246	0.322	0.194	0.167	0.044	0.323	0.240	0.871	2
3	0.560B	0.525B	0.520B	1.62	0.267	0.319	0.146	0.126	0.039	0.254	0.237	0.636	3
4	0.680B	0.505B	0.500B	1.43	0.233	0.239	0.127	0.113	0.046	0.247	0.239	0.657	4
5	0.930B	0.480B	0.450B	1.19	0.247	0.195	0.105	0.118	0.078	0.290	0.432	0.648B	5
6	0.700B	0.470B	0.410B	0.738	0.230	0.173	0.091	0.126	0.129	0.231	1.87	0.618	6
7	0.580B	0.459	0.407B	0.579	0.272	0.168	0.084	0.125	0.121	0.189	0.910	0.618	7
8	0.536	0.472	0.400B	0.515	0.394	0.152	0.097	0.112	0.080	0.193	0.796	0.620	8
9	0.466	1.29 B	0.417	0.512	0.322	0.182	0.306	0.104	0.064	0.425	0.555	0.679	9
10	0.568	1.40 B	0.468	1.25	0.342	0.365	0.200	0.087	0.092	0.782	0.519	1.02	10
11	0.583	0.990B	1.14	1.60	0.367	0.268	0.136	0.084	0.191	0.574	0.497	0.801B	11
12	0.510B	0.710B	6.20 B	0.834	0.330	0.191	0.106	0.079	0.118	0.437	0.458	0.632	12
13	0.470B	0.659	8.15 B	0.625	0.296	0.183	0.113	0.277	0.087	0.509	0.413	1.18	13
14	0.420B	0.830B	10.0	0.614	0.281	0.182	0.088	0.381	0.080	0.356	0.397	0.696B	14
15	0.390B	0.830B	6.87	0.765	0.298	0.163	0.135	0.212	0.217	0.306	0.492	0.590B	15
16	0.375	0.720B	3.27	0.638	0.361	0.143	0.171	0.166	0.212	0.287	0.676	0.544	16
17	0.700B	0.540B	1.80	0.922	1.02	0.130	0.129	0.136	0.131	0.320	0.879	0.537	17
18	2.00 B	0.500B	1.22	0.656	1.05	0.128	0.109	0.119	0.096	0.387	0.518	0.693	18
19	1.55 B	0.480B	0.841	0.531	0.556	0.126	0.110	0.102	0.084	0.440	0.446	0.860	19
20	1.20 B	0.460B	0.675	0.540	0.474	0.118	0.427	0.105	0.110	0.353	0.426	0.782B	20
21	0.950B	0.460B	0.620	0.808	0.536	0.127	0.211	0.100	0.101	0.285	0.413	0.567B	21
22	0.820B	0.582	0.707	0.593	0.413	0.125	0.143	0.097	0.153	0.271	2.12	1.44	22
23	0.656	1.07 B	1.21	0.481	0.346	0.144	0.137	0.096	0.200	0.254	1.30	1.45	23
24	0.650	0.900B	0.704	0.437	0.283	0.226	0.115	0.086	0.242	0.239	0.955	0.724B	24
25	0.770B	0.790B	0.569	0.404	0.253	0.176	0.102	0.081	0.155	0.241	0.856	0.675B	25
26	1.10 B	0.700B	0.542	0.382	0.229	0.138	0.091	0.077	0.131	0.231	0.723	0.655B	26
27	0.992	0.640B	0.475	0.350	0.210	0.126	0.083	0.075	0.125	0.222	1.72	0.640B	27
28	1.18	0.600B	0.435	0.318	0.197	0.114	0.077	0.079	0.100	0.293	1.76	0.630B	28
29	1.03		0.428	0.289	0.188	0.218	0.071	0.081	0.108	0.327	1.04	1.23 B	29
30	0.770B		0.438	0.277	0.169	0.278	0.382	0.066	0.363	0.283	0.840	4.62 B	30
31	0.610B		0.533		0.157		0.712	0.046		0.256		1.89 B	31
TOTAL	23.946	19.177	51.455	21.312	10.833	5.567	5.293	3.882	3.723	10.196	22.968	29.007	TOTAL
MEAN	0.773	0.685	1.66	0.710	0.350	0.186	0.171	0.125	0.124	0.329	0.766	0.936	MEAN
MAX	2.00	1.40	10.0	1.62	1.05	0.365	0.712	0.381	0.363	0.782	2.12	4.62	MAX
MIN	0.375	0.459	0.400	0.277	0.157	0.114	0.071	0.046	0.039	0.189	0.237	0.537	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.564
MAXIMUM DAILY, 10.0 ON MAR 14
MINIMUM DAILY, 0.039 ON SEP 03
MAXIMUM INSTANTANEOUS,
14.8 AT 22:10 EST ON MAR 14

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 43 33 N
LONG 079 46 45 W
DRAINAGE AREA, 65.2 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 070	JUL	457
FEB	1 660	AUG	335
MAR	4 450	SEP	322
APR	1 840	OCT	881
MAY	936	NOV	1 980
JUN	481	DEC	2 510

TOTAL DISCHARGE, 17 900 dam³

HOLLAND RIVER AT HOLLAND LANDING - STATION NO. 02EC009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	D
1	0.600B	1.15	1.15 B	1.53	0.791	0.405	5.43	0.332	0.216	1.53	0.647	0.968	
2	0.570B	1.75	1.25 B	2.31	0.716	1.42	1.61	0.284	0.200	0.832	0.609	0.800	
3	0.530B	0.917	1.03 B	3.12	0.716	1.52	0.971	0.263	0.179	0.547	0.610	0.715	
4	0.900B	0.912	0.900B	4.22	0.720	1.09	0.713	0.246	0.173	1.05	0.649	2.50	
5	1.50 B	0.885	0.840B	3.84	2.05	0.666	0.587	0.458	1.21	1.74	2.63	2.20	
6	1.05 B	0.905	0.790B	2.57	1.14	0.731	0.472	0.422	0.527	0.801	4.89	2.04	
7	0.860B	0.995	0.753	1.87	0.914	0.542	0.410	0.305	0.330	0.534	2.08	1.68	
8	0.760B	2.84	0.730B	1.83	0.846	0.612	0.562	0.261	0.272	0.461	1.47	1.46	
9	0.690B	5.40 B	0.720B	1.70	0.783	0.742	2.01	0.240	0.245	5.59	1.17	1.42	
10	0.770B	3.92	1.00 B	4.79	1.36	0.572	0.682	0.241	0.255	3.82	1.17	1.87	1
11	0.820B	1.62	9.49	7.20	1.07	0.573	0.472	0.228	0.266	2.04	1.05	1.44	1
12	0.700B	1.28	53.4	3.41	0.945	0.445	0.420	0.538	0.239	3.11	1.08	1.16	1
13	0.620B	1.37	19.5	2.30	0.990	0.737	0.365	2.72	0.224	4.19	1.14	2.62	1
14	0.580B	1.66	11.6	2.01	0.877	4.81	0.344	1.20	0.804	1.77	1.16	2.01	1
15	0.560B	0.882	6.94	2.31	0.787	6.55	1.73	1.75	1.73	1.18	1.58	1.58	1
16	0.751	1.36	5.30	2.03	1.03	1.70	0.822	1.68	0.460	0.904	1.64	1.18	1
17	2.73	1.20 B	4.51	1.97	0.998	0.903	0.503	0.667	0.208	2.54	1.01	0.799	1
18	9.00 B	0.990B	3.31	1.62	0.909	0.609	0.516	0.416	0.278	2.51	1.00	4.78	1
19	2.00 B	0.870B	2.40	1.14	0.847	0.647	0.395	0.411	0.527	1.48	0.893	2.28	2
20	1.10 B	0.830B	2.02	1.97	3.69	0.568	1.21	0.393	0.515	1.53	0.840	1.21	2
21	1.02	0.860B	1.98	3.33	3.03	0.615	0.641	0.352	0.332	1.11	1.06	1.42	2
22	0.901	5.69	4.09	2.18	1.60	0.557	0.386	0.331	0.331	0.938	2.00	3.92	2
23	0.845	15.0	3.64	1.69	1.14	0.934	0.818	0.298	0.329	0.830	2.18	6.95	2
24	1.45	4.00 B	2.15	1.48	0.924	1.01	0.589	0.297	0.290	0.773	1.47	3.50 B	2
25	2.48	1.88 B	1.65	1.35	0.792	0.697	0.389	0.279	0.274	0.717	1.34	2.00 B	2
26	4.47	1.60 B	1.54	1.24	0.691	0.516	0.302	0.254	0.525	0.678	1.13	1.55 B	2
27	1.99	1.38 B	1.25	1.13	0.620	0.475	0.280	0.234	0.354	0.631	1.13	1.17	2
28	2.86	1.20 B	1.21	1.04	0.653	0.467	0.267	0.331	0.271	0.720	1.20	1.13	2
29	1.63		1.20	0.933	0.579	1.46	0.249	0.315	0.600	0.819	0.891	3.05	2
30	1.26		1.37	0.872	0.513	4.01	0.284	0.284	5.22	0.732	0.810	3.22	2
31	1.05		1.58		0.449		0.548	0.264		0.681		3.10 B	3
TOTAL	47.047	63.346	147.293	69.845	35.156	36.708	25.037	16.290	17.484	48.388	40.829	71.442	TO
MEAN	1.52	2.26	4.75	2.33	1.13	1.22	0.808	0.526	0.583	1.56	1.36	2.30	ME
MAX	9.00	15.0	53.4	7.20	3.69	6.55	5.43	2.72	5.22	5.59	4.89	9.22	MA
MIN	0.530	0.830	0.720	0.872	0.449	0.405	0.249	0.228	0.173	0.461	0.609	0.715	MI

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.70
MAXIMUM DAILY, 53.4 ON MAR 12
MINIMUM DAILY, 0.173 ON SEP 04
MAXIMUM INSTANTANEOUS,
69.6 AT 04:56 EST ON MAR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 05 41 N
LONG 079 29 24 W
DRAINAGE AREA, 181 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 060	JUL	2 160
FEB	5 470	AUG	1 410
MAR	12 700	SEP	1 510
APR	6 030	OCT	4 180
MAY	3 040	NOV	3 530
JUN	3 170	DEC	6 170

TOTAL DISCHARGE, 53 400 dam³

HOLTBY DRAIN AT CONCESSION #7 (KETTLE CONTROL) - STATION NO. 02GC032

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	D
1	0.004B	0.012B	0.009B	0.038	0.003	0.002	0.010	0.010	0.010	0.010	0.012	0.023	
2	0.007B	0.060B	0.017B	0.118	0.002	0.001	0.004	0.004	0.009	0.007	0.011	0.018	
3	0.012	0.037B	0.050B	0.093	0.002	0.010	0.001	0.002	0.007	0.005	0.010	0.164	
4	0.045B	0.025B	0.016B	0.055	0.004	0.008	0	0.001	0.006	0.108	0.009	0.348	
5	0.056B	0.019B	0.011B	0.032	0.008	0.005	0	0.001	0.005	0.019	0.620	0.096	
6	0.031B	0.021B	0.009B	0.027	0.005	0.004	0	0	0.040	0.011	0.391	0.055	
7	0.024B	0.049B	0.007B	0.020	0.004	0.003	0	0	0.125	0.009	0.092	0.046	
8	0.025B	0.400B	0.006B	0.015	0.003	0.030	0	0	0.030	0.011	0.063	0.069	
9	0.041B	0.655B	0.109B	0.013	0.002	0.015	0.268	0	0.016	0.287	0.054	0.095	
10	0.069	0.157B	0.145B	0.146	0.001	0.009	0.022	0	0.012	0.242	0.075	0.105	1
11	0.077	0.059B	0.315B	0.150	0.001	0.006	0.009	0	0.009	0.423	0.043	0.049	1
12	0.048B	0.038B	0.344	0.046	0.001	0.004	0.005	0.001	0.008	0.320	0.030	0.039	1
13	0.032B	0.059B	0.389	0.025	0.031	0.003	0.002	0.021	0.007	0.182	0.023	0.051	1
14	0.025B	0.052B	0.218	0.027	0.019	0.002	0.080	0.008	0.220	0.077	0.020	0.023	1
15	0.023B	0.024B	0.124	0.030	0.014	0.001	0.056	0.004	0.143	0.046	0.020	0.021	1
16	0.027B	0.021B	0.140	0.021	0.220	0	0.016	0.002	0.038	0.029	0.021	0.062	1
17	0.368B	0.020B	0.097	0.027	0.414	0	0.008	0.002	0.020	0.022	0.017	0.048	1
18	0.787B	0.018B	0.051	0.017	0.137	0	0.005	0.001	0.013	0.435	0.014	0.299	1
19	0.131B	0.016B	0.051	0.013	0.058	0	0.003	0.001	0.010	0.107	0.013	0.196	1
20	0.081	0.014B	0.042	0.022	0.151	0	0.008	0.002	0.021	0.059	0.012	0.080	2
21	0.051	0.015	0.041	0.076	0.108	0	0.006	0.002	0.019	0.037	0.011	0.160	2
22	0.030B	1.42	0.068	0.029	0.046	0	0.004	0.001	0.033	0.030	0.154	0.294	2
23	0.025B	0.490B	0.113	0.018	0.026	0.012	0.005	0.001	0.022	0.024	0.076	0.176B	2
24	0.110B	0.097B	0.038	0.013	0.016	0.041	0.004	0	0.033	0.019	0.043	0.104B	2
25	0.225	0.026B	0.028	0.010	0.012	0.016	0.004	0	0.020	0.017	0.032	0.058B	2
26	0.140	0.019B	0.023	0.009	0.010	0.009	0.002	0	0.016	0.014	0.022	0.032B	2
27	0.063B	0.014B	0.019	0.008	0.008	0.009	0	0	0.010	0.014	0.116	0.014B	2
28	0.079B	0.011B	0.018	0.006	0.006	0.005	0	1.02	0.008	0.014	0.157	0.012B	2
29	0.035B		0.017	0.005	0.007	0.004	0	0.296	0.006	0.014	0.064	1.00 B	2
30	0.022B		0.039	0.004	0.005	0.007	0.073	0.030	0.012	0.014	0.033	0.600B	3
31	0.014B		0.038		0.004		0.037	0.016		0.013		0.105B	3
TOTAL	2.707	3.848	2.592	1.113	1.328	0.206	0.632	1.434	0.936	2.619	2.260	4.442	TO
MEAN	0.087	0.137	0.084	0.037	0.043	0.007	0.020	0.046	0.031	0.085	0.075	0.143	ME
MAX	0.787	1.42	0.389	0.150	0.414	0.041	0.268	1.02	0.220	0.435	0.620	1.00	MA
MIN	0.004	0.011	0.006	0.004	0.001	0	0	0	0.005	0.005	0.009	0.012	MI

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.066
MAXIMUM DAILY, 1.42 ON FEB 22
MINIMUM DAILY, 0 ON JUN 16
MAXIMUM INSTANTANEOUS,
7.26 AT 16:42 EST ON AUG 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 53 00 N
LONG 081 07 53 W
DRAINAGE AREA, 3.17 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	234	JUL	54.6
FEB	332	AUG	124
MAR	224	SEP	80.9
APR	96.2	OCT	226
MAY	115	NOV	195
JUN	17.8	DEC	384

TOTAL DISCHARGE, 2 080 dam³

HORNER CREEK NEAR PRINCETON - STATION NO. 02GB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.490B	2.35E	2.92B	2.04	0.910	0.862	0.521	0.719	0.585	0.467	1.03	3.21	1
2	0.636B	2.00B	2.51B	2.23	0.870	0.788	0.474	0.576	0.502	0.685	0.965	2.76	2
3	0.700B	1.95B	2.44B	2.29	0.805	0.979	0.419	0.477	0.442	0.635	0.942	2.50	3
4	1.29	1.80B	2.48B	2.45	0.781	1.14	0.393	0.421	0.403	0.669	0.926	2.87	4
5	1.52	1.65B	2.35B	2.39	0.944	1.08	0.356	0.428	0.402	1.10	1.37	3.30	5
6	1.38 B	1.90E	2.08B	2.23	0.982	0.964	0.346	0.444	0.399	1.42	2.92	3.70	6
7	1.26 B	1.80E	1.74B	1.94	0.938	0.843	0.319	0.411	0.414	1.26	10.0	3.33	7
8	1.16 B	1.70E	1.43B	1.67	0.830	0.815	0.342	0.392	0.408	1.04	8.08	2.92	8
9	1.13 B	3.00E	1.57B	1.53	0.802	0.804	1.68	0.350	0.406	1.15	5.26	2.71	9
10	1.63	5.00B	3.02	1.58	0.760	0.738	2.04	0.324	0.402	2.12	4.30	2.67	10
11	1.55	7.30B	5.58	1.95	0.742	0.666	2.01	0.328	0.382	3.37	3.66	2.83	11
12	1.36 B	6.20B	13.0	2.29	0.714	0.622	1.63	0.340	0.348	4.31	3.27	3.02	12
13	1.06 B	5.10E	16.6	2.42	1.04	0.577	1.18	0.467	0.341	4.73	2.96	2.95	13
14	0.845B	4.00E	15.2	2.27	1.46	0.537	0.876	0.545	0.361	4.80	2.67	3.15	14
15	0.967B	3.20E	10.9	2.16	1.36	0.513	0.845	0.546	0.638	4.40	2.51	3.11	15
16	0.972	2.60E	7.87	2.10	1.47	0.491	0.799	0.482	1.16	3.50	2.40	2.79	16
17	2.06 E	2.20B	6.50	2.26	1.93	0.446	0.709	0.420	1.06	2.77	2.31	2.47	17
18	3.41 E	1.65B	5.73	2.24	2.63	0.445	0.622	0.390	0.876	2.71	2.21	2.46	18
19	4.84 E	1.77B	4.80	2.04	3.72	0.429	0.933	0.515	0.729	3.28	2.03	2.69	19
20	8.30	1.57B	4.02	1.95	3.95	0.403	1.08	1.19	0.658	4.57	1.88	3.22	20
21	5.18 B	1.46B	3.52	2.05	3.88	0.387	1.26	1.38	0.627	4.24	1.78	3.23	21
22	3.50 B	1.93B	3.33	2.07	3.81	0.397	1.27	1.14	0.585	3.26	1.78	3.25	22
23	2.84 B	10.5 B	3.33	2.00	3.40	0.598	1.14	0.904	0.546	2.64	2.05	4.12	23
24	2.65	20.2	3.89	1.85	2.82	0.893	1.12	0.724	0.529	2.23	2.54	4.94B	24
25	2.70	9.81	3.65	1.66	2.30	0.892	0.956	0.601	0.454	2.00	2.92	4.48B	25
26	3.22	7.04B	2.89	1.47	1.89	0.698	0.736	0.548	0.450	1.80	2.79	4.08B	26
27	3.55	5.27B	2.42	1.31	1.57	0.603	0.600	0.496	0.446	1.60	2.70	3.67B	27
28	4.26 A	3.89B	2.09	1.20	1.33	0.546	0.535	0.535	0.435	1.41	2.77	3.26B	28
29	4.00 E		1.87	1.07	1.17	0.555	0.484	0.697	0.405	1.29	3.17	4.27B	29
30	3.50 B		1.86	0.996	1.06	0.558	0.484	0.950	0.422	1.14	3.57	18.1	30
31	3.00 B		1.93		0.940		0.620	0.726		1.06		28.1	31
TOTAL	75.360	118.84	143.52	57.706	51.808	20.269	26.779	18.464	15.815	71.656	87.763	140.16	TOTAL
MEAN	2.43	4.24	4.63	1.92	1.67	0.676	0.864	0.596	0.527	2.31	2.93	4.52	MEAN
MAX	8.30	20.2	16.6	2.45	3.95	1.14	2.04	1.38	1.16	4.80	10.0	28.1	MAX
MIN	0.490	1.46	1.43	0.996	0.714	0.387	0.319	0.324	0.341	0.467	0.926	2.46	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.27
MAXIMUM DAILY, 28.1 ON DEC 31
MINIMUM DAILY, 0.319 ON JUL 07
MAXIMUM INSTANTANEOUS,
34.8 AT 18:55 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 10 30 N
LONG 080 33 12 W
DRAINAGE AREA, 150 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	6 510	JUL	2 310
FEB	10 300	AUG	1 600
MAR	12 400	SEP	1 370
APR	4 990	OCT	6 190
MAY	4 480	NOV	7 580
JUN	1 750	DEC	12 100

TOTAL DISCHARGE, 71 600 dam³

HUMBER RIVER AT ELDER MILLS - STATION NO. 02HC025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.85B	2.30B	2.16B	2.50	1.42	1.15	1.52	0.866	0.871	3.07	1.31	1.62	1
2	1.73B	2.13B	1.95B	2.93	1.29	1.17	1.22	0.815	0.831	1.88	1.28	1.53	2
3	1.63B	2.02B	1.83B	4.85	1.24	1.26	1.09	0.723	0.761	1.43	1.27	1.50	3
4	1.60B	1.95B	1.75B	4.40	1.22	1.46	0.960	0.660	0.897	1.40	1.28	1.50B	4
5	2.10B	1.90B	1.68B	3.95	1.98	1.48	0.857	0.745	1.04	1.54	1.58	3.00B	5
6	1.93B	1.88B	1.63B	3.14	2.67	1.17	0.795	0.758	0.963	1.59	5.95	3.50	6
7	1.75B	1.85B	1.58B	2.59	2.07	1.10	0.760	0.809	0.917	1.31	5.08	2.20B	7
8	1.67B	3.51	1.55B	2.22	1.79	1.10	0.759	0.743	0.858	1.17	3.64	2.10B	8
9	1.60B	8.21	1.50B	2.14	1.55	1.43	0.816	0.718	0.832	2.35	2.86	2.00B	9
10	1.80B	9.35	1.60B	2.59	1.63	1.46	0.773	0.725	0.862	6.28	2.34	2.48	10
11	1.73B	5.00B	5.83	4.83	1.74	1.21	0.713	0.700	0.848	4.30	2.13	2.48	11
12	1.67B	3.20B	46.3	4.19	1.52	1.15	0.661	0.807	0.797	3.53	1.92	2.20	12
13	1.57B	5.25B	49.6	3.18	1.72	1.40	0.657	1.67	0.765	4.38	1.76	2.05B	13
14	1.54B	2.50B	28.2	2.69	1.78	1.60	0.716	1.84	0.802	2.28	1.64	1.95B	14
15	1.52B	1.75B	14.7	2.74	1.65	1.62	1.08	1.43	1.28	2.43	1.61	1.91	15
16	1.51B	1.48B	10.1	2.87	1.75	1.30	1.16	1.36	1.43	1.94	1.67	2.52	16
17	2.40B	1.46B	7.43	2.73	1.89	1.10	1.02	1.12	1.11	2.42	1.69	1.94	17
18	10.0 B	1.44B	5.73	2.53	5.53	1.02	0.889	1.04	1.00	1.35	1.63	2.32	18
19	8.00B	1.42B	4.33	2.24	3.64	0.938	0.794	1.17	0.967	1.31	1.55	2.91	19
20	5.00B	1.43B	3.46	2.16	3.94	0.931	1.10	1.06	1.05	2.53	1.54	2.07	20
21	3.20B	1.50B	3.14	2.70	7.00	0.959	1.36	0.997	1.09	1.98	1.51	2.27	21
22	2.65B	2.00B	3.05	2.65	4.59	0.952	1.15	0.925	1.01	1.82	1.75	3.61	22
23	2.45B	16.2	3.87	2.43	3.24	1.19	1.24	0.896	0.986	1.63	2.21	6.45	23
24	2.20B	8.70B	3.55	2.19	2.62	1.55	1.25	0.896	0.962	1.45	2.08	5.10	24
25	4.77B	5.00B	2.73	2.08	2.05	1.48	1.09	0.857	0.952	1.34	2.02	1.80B	25
26	6.60B	4.00B	2.49	1.94	1.85	1.23	0.934	0.832	0.914	1.31	1.79	1.60B	26
27	5.00B	3.10B	2.19	1.78	1.59	1.07	0.811	1.12	0.856	1.28	1.74	1.30B	27
28	4.00B	2.50B	2.01	1.68	1.48	0.981	0.768	1.28	0.818	1.25	1.83	1.70B	28
29	3.30B		1.97	1.65	1.36	1.27	0.750	1.19	0.929	1.59	1.89	4.90	29
30	2.90B		2.05	1.50	1.26	1.75	0.782	1.10	2.25	1.30	1.74	14.6	30
31	2.50B		2.30		1.21		0.926	0.982		1.31		7.27	31
TOTAL	92.17	100.03	222.26	92.07	72.17	37.481	29.501	30.834	29.648	69.45	62.29	93.96	TOTAL
MEAN	2.97	3.57	7.17	2.74	2.33	1.25	0.952	0.995	0.988	2.24	2.08	3.03	MEAN
MAX	10.0	16.2	49.6	4.85	7.00	1.75	1.52	1.84	2.25	6.28	5.95	14.6	MAX
MIN	1.51	1.42	1.50	1.50	1.21	0.931	0.657	0.660	0.761	1.17	1.27	1.30	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.53
MAXIMUM DAILY, 49.6 ON MAR 13
MINIMUM DAILY, 0.657 ON JUL 13
MAXIMUM INSTANTANEOUS,
67.1 AT 17:58 EST ON MAR 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 48 39 N
LONG 079 37 38 W
DRAINAGE AREA, 303 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	7 960	JUL	2 550
FEB	8 640	AUG	2 660
MAR	19 200	SEP	2 560
APR	7 090	OCT	6 000
MAY	6 240	NOV	5 380
JUN	3 240	DEC	8 120

TOTAL DISCHARGE, 79 600 dam³

HUMBER RIVER AT WESTON - STATION NO. 02HC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.60B	4.08	4.30B	5.77	3.14	2.07	3.40	1.35	1.36	4.86	3.37	3.27	1
2	2.40B	4.20B	4.60B	5.69	2.82	2.01	3.30	1.23	1.28	5.84	3.41	3.11	2
3	2.70B	3.60B	3.50B	13.9	2.63	2.13	2.46	1.10	1.16	6.73	3.24	3.92	3
4	9.00B	3.55B	3.00B	14.1	2.44	2.88	1.83	0.993	1.07	5.41	2.57	11.9	4
5	7.00B	3.51B	2.90B	13.1	5.63	2.62	1.54	3.05	1.34	3.65	6.26	10.2	5
6	5.50B	3.90B	2.80B	9.68	4.51	2.36	1.30	1.30	1.45	2.72	13.7	9.53	6
7	4.80B	4.06	2.70B	7.39	3.83	1.95	1.14	1.15	1.41	2.41	11.6	6.57	7
8	4.40B	8.61	2.60B	5.90	3.28	2.15	1.16	1.14	1.28	2.74	6.67	5.92	8
9	6.00B	28.7	2.50B	5.15	3.05	2.55	2.06	1.10	1.17	8.96	4.92	5.22	9
10	15.0 B	25.9	4.49	8.82	4.43	2.58	1.28	1.00	1.20	9.97	4.12	7.66	10
11	13.0 B	11.3	24.7	15.4	3.23	2.29	1.16	1.23	1.18	8.58	3.76	7.61	11
12	10.0 B	7.48	137	13.7	3.02	1.99	1.19	8.09	1.15	13.6	3.53	6.05	12
13	7.00B	6.81	120	9.03	5.02	4.66	1.04	11.8	1.10	11.5	3.22	6.61	13
14	4.40B	7.45	77.4	8.06	3.37	2.67	1.05	4.30	3.19	7.55	3.08	7.33	14
15	4.00B	4.90B	38.0	7.60	3.09	6.47	5.91	3.58	3.66	4.83	2.92	5.19	15
16	8.00B	3.85B	28.0	7.53	6.07	5.23	2.56	3.23	2.17	3.80	3.00	5.42	16
17	16.0 B	3.50B	21.1	8.66	5.30	3.11	2.86	2.02	1.80	9.27	3.09	3.66	17
18	38.0 B	3.40B	17.1	6.83	10.4	3.55	2.25	2.17	1.48	8.30	2.97	7.13	18
19	17.9	3.30B	13.9	5.68	8.43	2.06	1.49	3.75	1.64	7.50	2.90	8.81	19
20	8.15	3.20B	11.3	7.18	15.9	1.73	3.67	2.07	1.55	5.61	2.82	6.18	20
21	5.42	3.40B	9.89	8.42	18.8	1.83	2.48	1.70	1.51	3.85	2.83	7.96	21
22	4.55	15.5 B	9.54	7.33	13.2	1.97	3.10	1.57	1.65	3.22	4.12	11.8	22
23	3.46	58.8	11.3	6.19	8.28	4.01	4.95	1.46	1.66	2.86	3.60	34.7	23
24	8.02	27.6	10.9	5.38	5.92	3.12	2.44	1.47	1.39	2.63	3.91	22.5	24
25	17.4	14.6	8.06	4.88	4.64	2.81	2.05	1.38	1.43	2.40	3.93	7.80E	25
26	17.4	6.00E	7.02	4.45	3.88	2.37	1.65	1.31	1.42	2.24	3.49	5.80B	26
27	11.0	5.50B	5.45	4.11	3.59	2.16	1.36	1.68	1.24	2.15	3.69	5.20B	27
28	10.2	5.00B	4.76	3.70	3.26	1.71	1.22	6.07	1.16	2.56	3.60	5.20B	28
29	9.24		4.53	3.54	2.90	5.11	1.19	2.27	1.33	2.56	3.55	25.0 B	29
30	6.76		5.14	3.31	2.63	3.03	1.97	1.90	7.05	2.78	3.55	68.1	30
31	4.89		5.28		2.32		2.11	1.57		5.16		25.7	31
TOTAL	284.19	281.70	603.76	232.48	171.01	86.18	67.19	78.033	51.48	160.38	125.42	351.75	TOTAL
MEAN	9.17	10.1	19.5	7.75	5.52	2.87	2.17	2.52	1.72	5.17	4.18	11.3	MEAN
MAX	38.0	58.8	137	15.4	18.8	6.47	5.91	11.8	7.05	13.6	13.7	68.1	MAX
MIN	2.40	3.20	2.50	3.31	2.32	1.71	1.04	0.993	1.07	2.15	2.27	3.11	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.83
MAXIMUM DAILY, 137 ON MAR 12
MINIMUM DAILY, 0.993 ON AUG 04
MAXIMUM INSTANTANEOUS,
172 AT 14:19 EST ON MAR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 41 54 N
LONG 079 31 19 W
DRAINAGE AREA, 800 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	24 600	JUL	5 810
FEB	24 300	AUG	6 740
MAR	52 200	SEP	4 450
APR	20 100	OCT	13 900
MAY	14 800	NOV	10 800
JUN	7 450	DEC	30 400

TOTAL DISCHARGE, 216 000 dam³

HUMBER RIVER NEAR PALGRAVE - STATION NO. 02HC047

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.20 B	1.10B	1.30 B	1.61	0.915	0.779	0.971	0.642	0.644	1.55	0.854	1.07	1
2	1.10 B	1.30B	1.20 B	1.97	0.864	0.753	0.825	0.560	0.608	1.04	0.884	1.04	2
3	1.05 B	1.25B	1.15 B	2.98	0.844	0.864	0.742	0.525	0.765	0.922	0.865	1.03	3
4	1.00 B	1.19B	1.10 B	2.37 E	0.887	1.07	0.677	0.536	0.806	0.870	0.889	2.49	4
5	1.50 B	1.16B	1.07 B	2.09 A	1.84	0.756	0.628	0.560	0.731	1.15	1.57	2.09	5
6	1.40 B	1.13B	1.02 B	1.74	1.58	0.709	0.585	0.618	0.685	0.941	4.21	1.76	6
7	1.30 B	1.11	0.980B	1.47	1.25	0.709	0.585	0.572	0.655	0.799	2.85	1.48B	7
8	1.20 B	1.38	0.950B	1.37	1.07	0.797	0.574	0.584	0.645	0.764	2.15	1.38	8
9	1.10 B	3.77	0.920B	1.60	0.990	1.02	0.618	0.582	0.660	3.02	1.66	1.29	9
10	1.05 B	3.52	0.980B	1.84	1.12	0.862	0.566	0.548	0.634	3.44	1.48	1.53	10
11	1.00 B	2.18B	3.00 B	2.88	1.09	0.813	0.544	0.543	0.608	2.40	1.35	1.38	11
12	0.970B	1.65	24.0 B	2.25	1.00	0.761	0.549	0.858	0.598	1.96	1.29	1.31	12
13	0.930B	1.45	19.3	1.73	1.10	1.16	0.584	1.23	0.595	2.35	1.23	1.68	13
14	0.900B	1.64	10.9	1.54	1.17	1.10	0.579	1.10	0.655	1.72	1.18	1.48B	14
15	0.860B	1.12B	6.66	1.80	1.04	1.02	0.830	0.785	1.18	1.34	1.20	1.38	15
16	0.820B	1.30B	4.51	1.71	1.41	0.806	0.816	0.840	0.847	1.09	1.21	1.32	16
17	0.983B	1.26B	3.47	1.64	2.44	0.755	0.687	0.728	0.748	1.62	1.19	1.23B	17
18	5.00 B	1.20B	2.74	1.47	2.99	0.728	0.643	0.671	0.665	1.86	1.08	1.50	18
19	3.00 B	1.10B	2.17	1.33	2.05	0.670	0.621	0.721	0.688	1.78	1.07	1.73	19
20	2.30 B	1.04B	1.80	1.33	3.08	0.634	1.09	0.748	0.753	1.39	1.03	1.33B	20
21	1.70 B	1.00B	1.72	1.59	3.80	0.631	0.955	0.710	0.692	1.28	1.02	1.40	21
22	1.48 B	2.04	1.74	1.52	2.49	0.647	0.817	0.670	0.683	1.13	1.31	2.13	22
23	1.30 B	6.85	2.36	1.39	1.76	0.947	1.00	0.686	0.689	1.02	1.41	3.01	23
24	1.37	3.40B	1.84	1.28	1.39	1.17	0.885	0.669	0.659	0.946	1.43	2.10B	24
25	1.87	1.40B	1.49	1.27	1.27	1.00	0.743	0.638	0.598	0.882	1.29	1.95B	25
26	2.99	2.00B	1.43	1.16	1.10	0.823	0.653	0.604	0.569	0.861	1.18	1.85B	26
27	2.15	1.70B	1.24	1.12	1.03	0.748	0.604	0.821	0.536	0.861	1.20	2.30B	27
28	2.30	1.50B	1.21	1.15	0.966	0.709	0.592	0.927	0.585	0.900	1.35	3.00B	28
29	1.70		1.18	1.03	0.846	1.18	0.582	0.888	0.619	0.899	1.27	3.40B	29
30	1.42 E		1.28	0.963	0.813	1.21	0.598	0.800	2.06	0.895	1.15	5.91	30
31	1.22 E		1.46		0.776		0.697	0.707		0.890		3.85	31
TOTAL	48.163	50.74	106.170	48.893	45.971	25.831	21.840	22.071	21.860	42.570	41.852	60.40	TOTAL
MEAN	1.55	1.81	3.42	1.63	1.48	0.861	0.705	0.712	0.729	1.37	1.40	1.95	MEAN
MAX	5.00	6.85	24.0	2.88	3.80	1.21	1.09	1.23	2.06	3.44	4.21	5.91	MAX
MIN	0.820	1.00	0.920	0.963	0.776	0.631	0.544	0.525	0.536	0.764	0.854	1.03	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.47
MAXIMUM DAILY, 24.0B ON MAR 12
MINIMUM DAILY, 0.525 ON AUG 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 55 57 N
LONG 079 49 45 W
DRAINAGE AREA, 117 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 160	JUL	1 890
FEB	4 380	AUG	1 910
MAR	9 170	SEP	1 890
APR	4 220	OCT	3 680
MAY	3 970	NOV	3 620
JUN	2 230	DEC	5 220

TOTAL DISCHARGE, 46 300 dam³

INDIAN RIVER NEAR BLAKENEY - STATION NO. 02KF012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.615B	0.590B	0.740B	4.51	5.77	1.46	0.232	0.237	0.180	0.402	0.470	1.82	1
2	0.607B	0.560B	0.750B	4.52	4.84	1.24	0.186	0.194	0.188	0.334	0.421	1.82	2
3	0.600B	0.540B	0.670B	7.47	4.04	1.21	0.175	0.185	0.173	0.251	0.411	1.66	3
4	0.590B	0.530B	0.650B	12.3	3.73	1.12	0.211	0.173	0.162	0.260	0.716	1.87	4
5	0.580B	0.520B	0.637B	12.1	3.37	0.787	0.292	0.186	0.159	0.271	0.604	2.06B	5
6	0.570B	0.510B	0.625B	10.7	3.28	0.736	0.435	0.226	0.170	0.245	0.948	1.96	6
7	0.560B	0.505B	0.615B	9.50	3.19	0.699	0.250	0.210	0.180	0.212	0.933	1.95	7
8	0.555B	0.500B	0.610B	8.33	3.18	0.548	0.174	0.233	0.169	0.223	0.748	1.92	8
9	0.550B	1.32 B	0.605B	7.58	3.60	0.577	0.192	0.214	0.166	0.405	0.721	1.93	9
10	0.540B	1.12 B	0.600B	7.97	3.67	0.720	0.195	0.188	0.181	0.521	0.726	1.92	10
11	0.535B	0.880B	1.68	9.63	4.42	0.602	0.143	0.182	0.213	0.531	0.774	1.72B	11
12	0.530B	0.790B	4.36	9.60	3.98	0.533	0.153	0.185	0.172	0.521	0.715B	1.83	12
13	0.350B	0.820B	7.18	8.27	3.37	0.602	0.182	0.227	0.198	0.751	0.638B	1.81	13
14	0.515B	1.00 B	7.90 B	7.83	3.11	0.525	0.198	0.224	0.180	0.813	0.605	1.75	14
15	0.520B	0.750B	8.50 B	8.60	2.93	0.455	0.225	0.214	0.223	0.592	1.86	1.71	15
16	0.540B	0.730B	11.5	8.79	2.72	0.429	0.223	0.205	0.174	0.404	2.03	1.71	16
17	0.820B	0.720B	15.2 E	8.17	3.24	0.409	0.198	0.367	0.185	0.318	2.04	1.71	17
18	2.25 B	0.710B	14.5 E	7.23	4.72	0.452	0.190	0.269	0.159	0.507	1.90	1.76	18
19	0.920B	0.705B	12.1	6.84	3.83	0.436	0.182	0.207	0.163	1.07	1.85	1.82	19
20	0.600B	0.700B	11.0	6.54	3.44	0.270	0.405	0.147	0.211	0.856	1.81	1.61B	20
21	0.560B	0.690B	9.98	7.12	4.52	0.292	0.464	0.155	0.173	0.780	1.80	1.73	21
22	0.550B	0.910B	9.89	6.93	4.15	0.486	0.602	0.148	0.233	0.477	1.89	2.16	22
23	0.540B	1.41 B	11.7	6.43	3.72	0.540	0.979	0.154	0.271	0.396	2.14	4.37	23
24	0.620B	1.34 B	9.91	6.06	3.48	0.577	1.01	0.159	0.243	0.420	2.13	3.46B	24
25	0.850B	1.06 B	8.53	6.09	3.13	0.596	0.739	0.159	0.227	0.395	1.97	2.97B	25
26	1.74 B	0.940B	7.72	8.25	2.87	0.491	0.562	0.151	0.211	0.423	1.86	2.88B	26
27	1.05 B	0.880B	6.62	8.15	2.63	0.493	0.472	0.174	0.177	0.386	1.93	2.64B	27
28	0.910B	0.820B	5.99	7.37	2.39	0.302	0.408	0.200	0.169	0.437	2.02	2.53	28
29	0.810B		5.38	6.85	1.93	0.217	0.360	0.403	0.196	0.646	1.94	2.70	29
30	0.720B		4.94	6.29	1.64	0.222	0.329	0.236	0.392	0.577	1.84	4.24	30
31	0.630B		4.65		1.58		0.297	0.187		0.513		3.51B	31
TOTAL	22.327	22.550	185.732	236.02	106.47	18.026	10.663	6.399	5.898	14.937	40.440	69.53	TOTAL
MEAN	0.720	0.805	5.99	7.87	3.43	0.601	0.344	0.206	0.197	0.482	1.35	2.24	MEAN
MAX	2.25	1.41	15.2	12.3	5.77	1.46	1.01	0.403	0.392	1.07	2.14	4.37	MAX
MIN	0.350	0.500	0.600	4.51	1.58	0.217	0.143	0.147	0.159	0.212	0.411	1.61	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.02
MAXIMUM DAILY, 15.2E ON MAR 17
MINIMUM DAILY, 0.143 ON JUL 11

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 14 44 N
LONG 076 15 39 W
DRAINAGE AREA, 203 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 930	JUL	921
FEB	1 950	AUG	553
MAR	16 000	SEP	510
APR	20 400	OCT	1 290
MAY	9 200	NOV	3 490
JUN	1 560	DEC	6 010

TOTAL DISCHARGE, 63 800 dam³

JACKSON CREEK AT PETERBOROUGH - STATION NO. 02HJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.278	0.974	1.12 B	1.95E	1.14	0.434	0.359	0.165	0.076	0.153	0.535	0.756	1
2	0.254	0.956	1.01 B	2.20E	1.04	0.390	0.342	0.128	0.076	0.151	0.463	0.724	2
3	0.245	0.756	0.860B	2.40E	0.951	0.455	0.338	0.117	0.059	0.403	0.476	0.617	3
4	0.413	0.757	0.785B	2.80E	0.885	0.448	0.329	0.098	0.058	0.449	0.466	0.816	4
5	0.575	0.668	0.730B	3.50E	0.860	0.430	0.298	0.141	0.054	0.288	0.658	0.783	5
6	0.470	0.683	0.685B	4.97A	0.935	0.431	0.265	0.104	0.064	0.218	0.865	0.825	6
7	0.378	0.637	0.655B	4.53	1.19	0.364	0.206	0.100	0.071	0.200	0.900	0.846	7
8	0.356	0.670	0.639	3.64	1.31	0.331	0.324	0.074	0.067	0.189	0.968	0.848	8
9	0.349	1.37	0.592	2.90	1.60	0.466	0.198	0.073	0.066	0.510	0.989	0.870	9
10	0.440	1.99	0.527	3.03	1.88	0.541	0.176	0.082	0.089	0.587	0.965	0.901	10
11	0.451	1.84 B	0.624	3.39	1.59	0.636	0.167	0.069	0.099	0.883	0.943	0.783	11
12	0.436	1.78 B	9.00 B	3.62	1.41	0.705	0.132	0.104	0.083	1.02	0.854	0.818	12
13	0.389	1.96 B	16.0 B	3.74	1.25	0.630	0.134	0.315	0.056	0.959	0.764	0.863	13
14	0.348	1.86	22.0 B	3.37	1.12	0.515	0.124	0.152	0.228	0.947	0.725	0.718	14
15	0.360	1.56	20.7	3.01	1.01	0.421	1.00	0.13.	0.115	0.957	0.694	0.774	15
16	0.348	1.38	15.4	2.58	0.957	0.353	0.578	0.122	0.083	0.871	0.704	0.737	16
17	0.526	1.26	10.6	2.49	1.37	0.303	0.474	0.122	0.091	0.871	0.687	0.719	17
18	1.86	1.08	7.21	2.21	1.57	0.240	0.448	0.131	0.083	1.08	0.640	0.921	18
19	1.41	1.10	5.60 E	2.00	1.82	0.201	0.444	0.133	0.096	1.03	0.636	0.939	19
20	1.26	0.956	4.90 E	1.88	2.76	0.179	0.502	0.115	0.089	1.11	0.606	0.870	20
21	1.21 B	0.831	4.20 E	1.93	2.96	0.321	0.413	0.099	0.080	1.14	0.546	0.942	21
22	1.18 B	0.905	3.40 E	1.84	2.80	0.265	0.425	0.091	0.086	0.931	0.603	1.32	22
23	1.16 B	1.61	3.10 E	1.79	2.60	0.393	0.561	0.069	0.079	0.839	0.657	2.96	23
24	1.15 B	1.76	2.90 E	1.79	2.07	0.379	0.463	0.065	0.070	0.782	0.655	2.60	24
25	1.22	1.69	2.70 E	2.27	1.46	0.367	0.379	0.068	0.067	0.712	0.698	2.73 B	25
26	1.42	1.54 B	2.50 E	1.91	1.10	0.350	0.342	0.059	0.067	0.646	0.704	3.05 B	26
27	1.25	1.39 B	2.30 E	1.73	0.939	0.352	0.321	0.063	0.065	0.587	0.759	3.09 B	27
28	1.17	1.28 B	2.00 E	1.55	0.836	0.291	0.298	0.256	0.117	0.612	0.783	2.15 B	28
29	1.17		1.95 E	1.37	0.702	0.401	0.251	0.119	0.084	0.598	0.768	2.45	29
30	1.09		1.90 E	1.24	0.598	0.339	0.219	0.120	0.276	0.587	0.759	3.65	30
31	1.02		1.90 E		0.504		0.191	0.090		0.573		2.83	31
TOTAL	24.186	35.243	148.487	77.60	43.217	11.931	10.701	3.591	2.694	20.883	21.470	43.900	TOTAL
MEAN	0.780	1.26	4.79	2.59	1.39	0.398	0.345	0.116	0.090	0.674	0.716	1.42	MEAN
MAX	1.86	1.99	22.0	4.97	2.96	0.705	1.00	0.315	0.276	1.14	0.989	3.65	MAX
MIN	0.245	0.637	0.527	1.24	0.504	0.179	0.124	0.059	0.054	0.151	0.463	0.617	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.22
MAXIMUM DAILY, 22.0B ON MAR 14
MINIMUM DAILY, 0.054 ON SEP 05
MAXIMUM INSTANTANEOUS
25.0B AT 15:35 EST ON MAR 14

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 18 10 N
LONG 078 19 14 W
DRAINAGE AREA, 110 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 090	JUL	925
FEB	3 040	AUG	310
MAR	12 800	SEP	233
APR	6 700	OCT	1 800
MAY	3 730	NOV	1 860
JUN	1 030	DEC	3 790

TOTAL DISCHARGE, 38 300 dam³

JOCK RIVER NEAR RICHMOND - STATION NO. 02LA007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.500	3.46	4.23B	7.92	10.4	2.70	0.575	0.563	0.633	4.95	5.02	5.48	1
2	0.510	3.43	3.81B	8.22	8.95	2.41	0.508	0.484	0.489	4.46	4.64	5.03	2
3	0.508	3.22	3.37B	15.0	7.38	2.25	0.442	0.401	0.372	3.72	4.39	4.51	3
4	0.570	2.95	2.95B	40.3	6.53	2.35	0.413	0.358	0.289	3.45	4.15	3.85	4
5	0.696	2.58	2.68B	50.3	5.97	2.05	0.464	0.312	0.247	3.44	4.46	4.66	5
6	0.858	2.35	2.48B	43.2	5.54	1.85	0.434	0.378	0.227	3.19	7.97	5.48	6
7	1.01	2.18	2.39B	33.1	5.09	1.55	0.401	0.449	0.197	2.64	10.9	5.74	7
8	0.935	2.11	2.24B	25.2	4.90	1.36	0.333	0.435	0.214	2.34	10.0	5.68	8
9	0.859	6.89	2.14B	20.9	5.36	1.17	0.307	0.386	0.182	2.39	8.58	5.74	9
10	0.832	9.53	2.11	21.0	5.89	1.09	0.279	0.301	0.193	5.21	7.94	6.14	10
11	0.834	7.07	3.40B	27.7	6.73	1.08	0.326	0.243	0.496	6.45	8.25	5.24B	11
12	0.813	5.89	9.25B	33.3	6.92	0.979	0.576	0.236	0.577	7.33	7.42	4.91B	12
13	0.797	5.21	28.5 B	28.4	6.42	0.845	0.368	0.294	0.490	8.43	6.07	4.71B	13
14	0.793	7.50B	44.2 B	23.9	5.88	0.716	0.230	0.334	0.399	12.7	6.53	4.28B	14
15	0.799	5.99B	43.6 B	24.6	5.25	0.675	0.209	0.376	0.346	11.4	5.55	3.92B	15
16	0.767	5.07B	50.7 B	25.1	4.82	0.883	0.244	0.412	0.309	8.91	5.48	3.47	16
17	0.814	4.26	59.4 B	22.8	4.89	1.42	0.174	0.394	0.269	6.92	5.99	3.13	17
18	4.09	3.55B	65.9 B	19.3	7.80	1.67	0.152	0.338	0.244	6.76	6.10	3.34	18
19	5.24 B	3.25B	55.0 B	16.6	9.38	1.47	0.120	0.294	0.197	12.2	5.39	4.32	19
20	4.20 B	2.88B	47.2 B	14.7	9.03	1.15	0.323	0.292	0.195	12.2	5.01	4.35	20
21	3.50 B	2.68B	40.2 B	16.4	11.5	0.928	0.684	0.257	0.186	9.76	4.88	3.64	21
22	2.75	2.90B	34.1 B	17.7	12.3	0.948	1.10	0.229	0.205	7.83	4.68	5.14	22
23	2.27	4.79	34.7	16.1	10.8	1.07	2.47	0.204	0.342	6.74	6.54	22.1	23
24	2.10	5.57B	28.3	14.1	9.05	1.23	4.12	0.219	0.596	5.64	7.88	27.9	24
25	2.48	5.40B	21.8	13.1	7.46	1.16	3.26	0.281	0.557	5.32	7.25	22.6	25
26	7.54	5.07B	17.5	13.5	6.34	0.970	2.30	0.215	0.499	4.92	6.51	18.7	26
27	6.27	4.85B	13.0	14.3	5.34	0.800	1.67	0.244	0.486	4.45	6.08	15.3	27
28	5.97	4.58B	10.5	13.9	4.58	0.775	1.32	0.214	0.423	4.33	6.69	11.5	28
29	5.04		10.1	12.3	3.81	0.704	0.995	0.542	0.513	5.24	6.71	10.9	29
30	4.22		8.99	11.2	3.35	0.658	0.750	0.491	1.45	5.83	6.07	29.7	30
31	3.71		7.93		3.13		0.643	0.634		5.50		29.0	31
TOTAL	72.275	125.21	662.67	644.14	210.79	38.911	26.190	11.010	11.822	194.65	193.13	290.06	TOTAL
MEAN	2.33	4.47	21.4	21.5	6.80	1.30	0.845	0.355	0.394	6.28	6.44	9.36	MEAN
MAX	7.54	9.53	65.9	50.3	12.3	2.70	4.12	0.691	1.45	12.7	10.9	29.7	MAX
MIN	0.500	2.11	2.11	7.92	3.13	0.658	0.120	0.204	0.182	2.34	4.15	3.13	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.80
MAXIMUM DAILY, 65.9B ON MAR 18
MINIMUM DAILY, 0.120 ON JUL 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 15 00 N
LONG 075 47 28 W
DRAINAGE AREA, 559 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 240	JUL	2 260
FEB	10 800	AUG	951
MAR	57 300	SEP	1 020
APR	55 700	OCT	16 800
MAY	18 200	NOV	16 700
JUN	3 360	DEC	25 100

TOTAL DISCHARGE, 214 000 dam³

JUNCTION CREEK AT SUDBURY - STATION NO. 02CF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.160B	0.439B	0.288B	1.55	0.668	0.435	3.60	0.335	0.088	0.909	0.914	6.74	1
2	0.157B	0.422B	0.282B	1.92	0.601	0.392	2.53	0.224	0.086	1.02	0.862	3.94	2
3	0.160B	0.418B	0.278B	1.47	0.522	0.543	1.69	0.199	0.093	0.786	0.888	1.79	3
4	0.175B	0.410B	0.277B	1.78	0.410	0.434	1.09	0.450	0.157	1.00	1.11	1.45 B	4
5	0.190B	0.400B	0.271B	2.11	0.405	0.397	0.813	0.324	0.150	0.670	0.897	1.25 B	5
6	0.185B	0.397B	0.268B	1.93	0.427	0.363	0.616	0.275	0.107	0.479	0.999	1.12 B	6
7	0.183B	0.392B	0.265B	1.68	0.417	0.324	0.454	0.232	0.104	0.379	1.09 B	1.01 B	7
8	0.195B	0.400B	0.261B	1.46	1.45	0.292	0.782	0.207	0.097	0.330	1.16 B	0.970B	8
9	0.205B	0.415B	0.262B	1.63	1.24	0.853	0.674	0.198	0.099	0.326	1.19	0.970B	9
10	0.204B	0.405B	0.300B	2.21	1.93	0.521	0.608	0.194	0.141	1.86	1.36	1.00 B	10
11	0.202B	0.398B	0.460B	2.37	2.03	0.381	0.624	0.217	0.137	3.55	1.28	0.900B	11
12	0.199B	0.388B	1.30 B	1.92	1.46	0.327	0.471	0.213	0.251	1.79	1.09	0.821	12
13	0.195B	0.382B	3.00 B	1.58	1.19	0.699	0.537	0.201	0.423	1.15	0.972	0.730B	13
14	0.190B	0.373B	5.00 B	1.50	0.910	0.449	0.577	0.200	0.927	1.02	0.918	0.680B	14
15	0.188B	0.363B	9.30 B	1.63	1.12	0.380	0.496	0.194	0.534	1.30	1.72	0.645	15
16	0.190B	0.356B	13.2 B	1.62	3.25	0.336	0.402	0.180	0.301	1.01	3.81	0.599	16
17	0.300B	0.345B	14.3	1.94	12.0	0.311	0.387	0.179	0.193	3.22	3.35	0.560	17
18	0.500B	0.338B	11.4	2.14	18.3	0.931	0.307	0.181	0.187	6.06	2.33	0.540B	18
19	0.520B	0.332B	9.93	2.09	11.5	1.13	0.262	0.183	0.190	5.02	2.16	0.520B	19
20	0.518B	0.327B	9.03	2.11	9.15	0.607	0.233	0.170	0.130	2.94	2.22	0.500B	20
21	0.505B	0.332B	8.08	2.09	7.88	0.482	0.264	0.169	0.407	2.60	2.76	0.500B	21
22	0.498B	0.340B	6.57	1.87	6.51	0.400	0.287	0.174	0.503	2.35	5.61	0.570B	22
23	0.490B	0.335B	4.90	1.73	4.10	8.07	0.255	0.131	0.430	1.98	4.56	0.510B	23
24	0.482B	0.328B	3.97	1.64	1.98	5.57	0.222	0.120	0.320	1.78	4.13	0.470B	24
25	0.480B	0.320B	2.97	1.88	1.06	3.98	0.196	0.108	0.350	1.66	3.36	0.440B	25
26	0.481B	0.310B	2.01 B	1.56	0.834	2.55	0.178	0.108	0.291	1.47	2.77	0.430B	26
27	0.483B	0.303B	1.50 B	1.36	0.719	1.41	0.184	0.105	0.244	1.40	6.18	0.410B	27
28	0.480B	0.295B	1.16 B	1.10	0.657	0.986	0.161	0.702	0.203	1.46	9.49	0.435B	28
29	0.465B		1.08 B	0.977	0.588	3.44	0.154	0.211	0.170	1.23	6.95	0.440B	29
30	0.455B		1.29	0.786	0.491	4.17	0.826	0.134	0.526	1.14	7.19	0.380B	30
31	0.445B		1.21		0.446		0.413	0.102		0.999		0.350B	31
TOTAL	10.080	10.263	114.412	51.633	94.245	41.163	20.287	6.636	7.539	52.888	83.320	31.670	TOTAL
MEAN	0.325	0.367	3.69	1.72	3.04	1.37	0.654	0.214	0.251	1.71	2.78	1.02	MEAN
MAX	0.520	0.439	14.3	2.37	18.3	8.07	3.60	0.702	0.927	6.06	9.49	6.74	MAX
MIN	0.157	0.295	0.261	0.786	0.405	0.292	0.154	0.102	0.086	0.326	0.862	0.350	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.44
MAXIMUM DAILY, 18.3 ON MAY 18
MINIMUM DAILY, 0.086 ON SEP 02
MAXIMUM INSTANTANEOUS,
24.3 AT 23:53 EST ON MAY 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 29 20 N
LONG 080 59 45 W
DRAINAGE AREA, 89.1 km²

B - ICE CONDITIONS

REGULATED SINCE 1971

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	871	JUL	1 750
FEB	887	AUG	573
MAR	9 890	SEP	651
APR	4 460	OCT	4 570
MAY	8 140	NOV	7 200
JUN	3 560	DEC	2 740

TOTAL DISCHARGE, 45 300 dam³

JUNCTION CREEK BELOW KELLEY LAKE - STATION NO. 02CF012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.51E	2.38E	2.05	3.75	3.01	2.72	9.97	1.55	1.15	2.48	3.48	13.7	1
2	1.52E	2.33E	2.15	4.31	2.97	2.61	7.95	1.35	1.22	3.09	3.12	12.0	2
3	1.57E	2.30E	2.20	4.24	2.82	2.62	6.23	1.19	1.03	3.09	2.90	8.41	3
4	1.62E	2.25E	2.21	4.07	2.73	2.50	5.44	1.25	1.05	3.28	3.31	4.83	4
5	1.67E	2.20E	2.22	4.15	2.51	2.38	4.80	1.52	1.19	3.22	3.83	8.85	5
6	1.68E	2.20E	2.15	4.00	2.12	2.38	4.18	1.26	1.17	3.13	4.10	8.02	6
7	1.69E	2.22E	2.02	3.69	1.96	2.45	3.62	1.15	1.16	3.09	4.22	6.76	7
8	1.71E	2.27E	2.13	3.38	2.56	2.43	3.53	1.34	0.806	2.94	4.35	6.07	8
9	1.80E	2.32E	2.39	3.26	3.28	2.88	3.94	1.50	0.814	2.89	4.17	5.72	9
10	1.84E	2.37E	2.50	3.79	3.64	3.05	3.61	1.63	0.870	3.31	4.16	5.55	10
11	1.86A	2.37E	2.75	4.20	4.30	2.46	2.87	1.71	0.848	6.48	4.29	5.16	11
12	1.84A	2.33E	3.26	4.27	4.07	1.99	2.80	1.56	1.05	6.55	4.33	4.92	12
13	1.83A	2.30E	4.98	4.08	3.91	2.09	2.64	1.50	1.34	5.28	4.24	4.64	13
14	1.82E	2.26E	9.53	4.07	3.64	2.02	2.62	1.28	1.68	4.27	4.03	4.35	14
15	1.83E	2.26A	17.4	3.81	3.88	1.88	2.41	1.35	2.11	4.21	4.26	4.24	15
16	1.86E	2.26	26.4	3.72	5.01	1.66	1.96	1.19	1.87	3.96	6.82	4.09	16
17	2.00E	2.16	29.5	3.79	13.3	1.48	1.72	1.11	1.82	5.09	9.22	4.00	17
18	2.25E	2.15	25.2	4.29	31.8	1.67	1.49	1.25	1.73	8.39	8.40	4.02	18
19	2.50E	2.18	20.7	4.68	27.8	2.91	1.40	1.07	1.82	11.2	7.51	3.63	19
20	2.70E	2.21	17.6	4.93	21.6	2.64	1.36	0.921	1.78	9.26	7.34	3.22	20
21	2.67E	2.10	15.5	4.93	18.2	2.65	1.48	1.08	1.87	7.33	7.30	3.13	21
22	2.58E	2.12	13.5	4.59	15.9	2.70	1.80	1.04	2.48	6.98	11.0	3.28	22
23	2.50E	2.09	11.7	4.08	13.4	8.71	1.69	1.15	2.57	6.46	11.5	3.61	23
24	2.42E	2.02	9.42	3.62	10.5	13.1	1.44	1.20	2.30	5.85	11.1	3.55	24
25	2.40E	2.00	8.08	3.98	8.34	11.2	1.25	1.29	2.28	5.31	9.94	3.38	25
26	2.44E	2.03	6.40	3.92	6.81	9.05	1.16	1.47	2.15	4.57	8.82	3.19	26
27	2.52E	2.05	5.17	3.82	5.79	6.89	1.06	1.38	1.92	4.07	10.3	3.17	27
28	2.50E	2.03	4.59	3.63	5.43	5.44	1.03	1.35	2.00	4.35	16.0	3.00	28
29	2.49E		4.31	3.29	4.69	6.54	0.959	1.66	1.80	4.10	16.7	2.91	29
30	2.45E		4.15	3.05	3.67	9.00	1.57	1.53	2.02	3.89	14.6	2.71	30
31	2.41E		3.76		2.89		1.68	1.40		3.72		2.39	31
TOTAL	64.48	61.76	265.92	119.39	242.53	122.10	89.659	41.231	47.898	151.84	215.34	156.50	TOTAL
MEAN	2.08	2.21	8.58	3.98	7.82	4.07	2.89	1.33	1.60	4.90	7.18	5.05	MEAN
MAX	2.70	2.38	29.5	4.93	31.8	13.1	9.97	1.71	2.57	11.2	16.7	13.7	MAX
MIN	1.51	2.00	2.02	3.05	1.96	1.48	0.959	0.921	0.806	2.48	2.90	2.39	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.33
MAXIMUM DAILY, 31.8 ON MAY 18
MINIMUM DAILY, 0.806 ON SEP 08
MAXIMUM INSTANTANEOUS,
33.7 AT 16:05 EST ON MAY 18

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 25 39 N
LONG 081 05 50 W
DRAINAGE AREA, 207 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 570	JUL	7 750
FEB	5 340	AUG	3 560
MAR	23 000	SEP	4 140
APR	10 300	OCT	13 100
MAY	21 000	NOV	18 600
JUN	10 500	DEC	13 500

TOTAL DISCHARGE, 136 000 dam³

REMARKS - DATA PRIOR TO 1980 CONTRIBUTED BY ONT. MINISTRY OF THE ENVIRONMENT AND FORMERLY PUBLISHED UNDER STA. NO. 02CF106

KAMINISTIQUIA RIVER AT KAKABEKA FALLS POWERHOUSE - STATION NO. 02AB010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	26.3	36.0	48.1	59.6	112	18.3	175	54.1	46.4	44.7	47.3	46.9	1
2	26.7	35.9	48.1	50.7	87.7	19.7	147	52.7	46.7	44.8	46.1	45.4	2
3	26.1	36.2	47.9	48.1	67.2	19.2	134	54.2	45.4	45.3	46.1	44.6	3
4	27.0	36.4	48.1	49.8	53.3	21.1	128	47.9	44.9	51.7	45.7	44.5	4
5	26.7	39.3	48.1	46.9	45.6	23.3	122	53.1	44.7	50.2	37.9	51.2	5
6	26.6	48.3	46.4	40.1	38.9	25.7	116	50.5	44.9	50.4	32.0	48.2	6
7	26.4	47.3	46.6	30.0	35.4	26.1	112	49.5	44.6	50.1	30.9	48.1	7
8	26.0	47.0	47.5	27.1	37.3	34.8	143	35.0	45.3	49.6	30.4	49.7	8
9	26.5	47.5	48.1	30.7	45.2	36.5	153	31.9	44.8	47.4	32.3	50.1	9
10	26.9	46.6	48.1	24.2	41.5	35.6	139	32.3	44.7	47.7	38.0	48.9	10
11	26.7	47.9	47.9	28.4	38.6	35.1	134	30.7	44.6	46.7	36.7	48.1	11
12	25.7	47.5	47.4	26.0	35.8	42.4	118	29.5	43.6	46.5	29.5	50.4	12
13	26.2	48.1	48.6	23.1	31.5	63.0	113	27.6	43.7	46.0	32.2	50.0	13
14	27.0	48.1	51.7	24.1	29.7	53.2	106	25.5	46.2	46.1	28.8	49.1	14
15	26.1	48.1	55.9	26.5	44.2	42.7	100	24.5	45.4	46.1	28.9	50.4	15
16	27.2	47.8	60.4	27.0	49.6	44.1	97.9	26.0	47.0	46.4	29.8	50.4	16
17	26.6	48.2	48.0	26.4	51.7	58.0	89.0	21.2	47.2	46.1	29.3	50.4	17
18	26.1	47.6	49.1	23.1	56.7	158	90.5	24.7	46.5	49.6	30.7	49.7	18
19	25.7	48.5	49.9	23.8	55.4	179	94.4	22.9	46.4	50.4	27.4	48.1	19
20	26.9	48.6	56.3	35.4	49.6	165	89.6	25.1	46.4	50.4	22.8	48.9	20
21	26.3	47.3	50.0	44.1	47.1	158	85.6	24.6	47.2	56.0	30.0	48.5	21
22	30.0	48.7	48.2	46.9	44.2	167	85.9	24.0	47.5	60.1	32.0	48.1	22
23	35.3	48.7	47.5	51.5	4.60	155	87.0	23.0	47.9	52.4	49.3	47.4	23
24	36.0	47.1	48.7	50.3	40.3	144	85.9	22.5	51.9	49.6	47.5	48.1	24
25	36.2	47.4	47.5	63.3	37.1	135	66.9	25.7	37.5	43.2	45.4	48.8	25
26	35.6	48.1	49.3	76.3	36.6	157	60.0	26.3	30.5	49.0	44.4	48.1	26
27	35.8	48.1	46.7	81.9	35.6	160	57.8	25.4	26.2	49.6	47.4	49.0	27
28	35.8	48.1	52.0	126	34.2	137	55.2	26.8	28.5	50.4	49.1	50.3	28
29	36.0		50.7	136	27.8	137	54.5	32.6	45.5	50.4	47.4	48.5	29
30	36.3		49.1	128	19.0	205	54.9	44.9	44.4	49.6	47.6	46.9	30
31	36.2		52.7		19.0		51.6	43.9		47.8		48.6	31
TOTAL	908.9	1 284.4	1 535.6	1 475.3	1 352.40	2 655.8	3 146.7	1 038.6	1 316.5	1 514.3	1 122.9	1 505.4	TOTAL
MEAN	29.3	45.9	49.5	49.2	43.6	88.5	102	33.5	43.9	48.8	37.4	48.6	MEAN
MAX	36.3	48.7	60.4	136	112	205	175	54.2	51.9	60.1	49.3	51.2	MAX
MIN	25.7	35.9	46.4	23.1	4.60	18.3	51.6	21.2	26.2	43.2	22.8	44.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 51.7
MAXIMUM DAILY, 205 ON JUN 30
MINIMUM DAILY, 4.60 ON MAY 23

DATA CONTRIBUTED BY -
ONTARIO HYDRO

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 48 24 56 N
LONG 089 37 51 W
DRAINAGE AREA, 6 710 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	78 500	JUL	272 000
FEB	111 000	AUG	89 700
MAR	133 000	SEP	114 000
APR	127 000	OCT	131 000
MAY	117 000	NOV	97 000
JUN	229 000	DEC	130 000

TOTAL DISCHARGE, 1 630 000 dam³

KAMINISTIQUIA RIVER AT KAMINISTIQUIA - STATION NO. 02AB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	25.8B	33.5B	53.7	60.0	108	27.0	174	60.5	50.6	48.8	50.7	50.4	1
2	25.3B	33.4B	53.3	53.6	84.4	26.3	154	60.1	50.3	48.4	50.2	49.2	2
3	25.0B	33.4B	53.3	51.9	67.4	26.2	142	58.0	49.9	50.7	49.9	49.3	3
4	24.7B	33.4B	53.3	53.4	54.1	26.4	135	53.0	48.3	53.5	49.0	52.2	4
5	24.2B	37.0B	53.0	50.1	45.7	26.8	128	57.3	49.3	55.0	37.8	56.0	5
6	24.1B	45.0B	52.7	39.2	40.6	28.8	125	53.2	48.7	54.7	34.7	53.1	6
7	23.8B	45.5B	52.9	32.9	36.3	28.6	121	56.5	49.0	53.9	34.5	54.1	7
8	23.5B	45.0B	53.1	31.9	38.2	27.9	140	38.0	49.0	53.4	33.2	55.6	8
9	23.5B	44.6B	52.9	32.3	41.8	27.8	154	36.5	48.8	52.2	37.3	54.6	9
10	23.6B	45.8B	53.2	32.2	40.4	37.7	148	35.0	48.8	51.5	41.3	53.6	10
11	23.1B	46.0B	53.4	31.0	38.1	37.8	138	34.3	48.6	50.9	39.7	54.8	11
12	22.9B	46.3B	53.2	30.2	35.6	45.6	119	34.1	47.1	50.9	32.5	55.2	12
13	23.0B	47.0B	54.5	29.4	32.1	62.1	113	29.5	48.4	50.6	32.7	54.8	13
14	23.1B	47.2B	56.5	26.5	31.0	52.9	108	28.6	49.9	50.8	30.9	55.2	14
15	22.9B	47.3B	56.8	27.1	46.1	45.4	104	28.0	50.7	50.4	31.5	56.9	15
16	23.0B	47.4B	58.0	27.9	50.7	46.2	101	28.1	52.0	49.9	32.2	56.6	16
17	22.9B	47.5B	50.3	27.5	52.9	69.9	93.8	27.6	51.6	51.0	32.5	56.3	17
18	22.8B	47.6B	53.5	24.3	56.6	158	97.9	28.1	51.3	53.3	34.7	55.0	18
19	22.7B	49.7B	53.8	23.9	56.6	183	99.6	27.1	51.3	54.5	29.2	54.3	19
20	23.0B	49.6B	63.2	32.2	52.5	173	95.4	28.5	51.2	54.5	27.1	55.3	20
21	22.9B	49.4B	54.4	39.4	49.2	174	91.7	29.2	52.1	57.6	31.9	54.3B	21
22	25.8B	50.2B	54.5	44.2	46.3	174	91.3	28.2	52.8	59.6	40.7	54.1B	22
23	26.8B	51.2B	52.0	50.5	44.0	165	94.9	26.9	52.4	52.8	53.5	53.6B	23
24	33.0B	51.0B	56.1	59.0	42.5	156	89.9	26.6	52.6	51.0	51.9	53.0B	24
25	33.3B	51.2B	52.0	61.3	41.1	150	71.6	28.2	36.2	43.3	48.7	53.0B	25
26	33.1B	52.0B	54.5	70.8	39.6	169	66.7	29.8	29.8	55.7	50.5	54.0B	26
27	33.1B	52.8B	53.0	77.1	38.6	166	64.9	28.6	28.2	53.0	52.6	54.1B	27
28	33.2B	53.0B	59.2	116	37.3	144	60.8	28.0	34.7	51.8	51.9	54.2B	28
29	33.3B		56.1	126	31.3	144	62.7	40.2	50.0	52.4	52.9	53.8B	29
30	33.7B		56.7	122	28.9	201	62.4	48.6	50.2	54.4	51.8	53.8B	30
31	33.6B		59.1		28.0		56.2	48.0		51.7		53.8B	31
TOTAL	820.7	1 283.0	1 692.2	1 479.8	1 435.8	2 820.4	3 303.8	1 165.3	1 433.8	1 624.9	1 228.0	1 674.2	TOTAL
MEAN	26.5	45.8	54.6	49.3	46.3	94.0	107	37.6	47.8	52.4	40.9	54.0	MEAN
MAX	33.7	53.0	63.2	126	108	201	174	60.5	52.8	59.6	53.5	56.9	MAX
MIN	22.7	33.4	50.3	23.9	28.0	26.2	56.2	26.6	28.2	43.3	27.1	49.2	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MEAN, 54.7
MAXIMUM DAILY, 201 ON JUN 30
MINIMUM DAILY, 22.7B ON JAN 19
MAXIMUM INSTANTANEOUS,
218 AT 06:35 EST ON JUN 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 31 58 N
LONG 089 35 39 W
DRAINAGE AREA, 6 480 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	70 900	JUL	285 000
FEB	111 000	AUG	101 000
MAR	146 000	SEP	124 000
APR	128 000	OCT	140 000
MAY	124 000	NOV	106 000
JUN	244 000	DEC	145 000

TOTAL DISCHARGE, 1 720 000 dam³

KAMINISTIQUIA RIVER AT OUTLET OF DOG LAKE - STATION NO. 02AB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	21.1	30.7	42.2	15.7	---	0	71.5	41.3	44.6	41.4	32.0	30.9	1
2	19.2	30.4	42.7	17.4	---	0	75.0	41.4	46.4	41.4	32.0	30.6	2
3	21.1	30.2	42.8	18.0	---	0	71.2	35.5	40.4	41.4	32.0	32.0	3
4	20.8	28.6	42.8	20.1	---	0	71.8	41.2	40.1	41.5	27.8	36.1	4
5	21.0	41.7	42.6	18.2	---	4.00	73.7	42.9	43.9	41.5	20.7	35.5	5
6	21.1	42.3	42.8	19.5	---	0	72.2	37.2	40.6	41.4	20.2	34.5	6
7	20.6	40.9	42.5	18.1	---	10.0	67.0	36.7	41.6	41.4	21.6	35.2	7
8	21.2	41.2	42.6	19.7	---	13.5	70.5	21.0	42.9	41.4	21.5	35.8	8
9	21.0	41.2	42.7	18.0	---	14.2	72.2	21.3	41.3	41.4	27.4	34.9	9
10	21.7	42.4	42.5	18.3	---	14.3	72.1	22.3	41.5	38.9	29.6	35.3	10
11	20.9	42.6	42.5	18.1	0.400	14.9	72.4	23.7	39.9	38.9	27.5	36.4	11
12	21.2	41.5	42.0	16.5	---	13.6	72.0	20.3	42.5	38.9	23.1	36.6	12
13	21.1	42.4	42.9	11.1	---	0	71.4	14.8	40.9	38.9	19.9	37.3	13
14	20.5	42.9	43.5	11.7	---	0	69.8	14.1	42.6	38.9	21.1	38.3	14
15	21.2	42.6	33.6	9.90	---	9.60	69.8	15.2	43.6	38.9	20.6	38.4	15
16	21.3	43.2	23.8	10.7	---	10.8	60.3	13.6	42.0	38.9	22.5	38.5	16
17	21.2	42.6	28.4	10.7	0.400	7.20	54.3	14.3	41.1	38.9	15.0	38.5	17
18	20.2	43.1	32.6	1.70	---	40.8	55.0	15.1	41.0	38.9	12.2	38.3	18
19	21.2	43.5	35.9	0	0	49.7	53.8	15.1	44.2	38.9	5.50	38.4	19
20	21.3	42.4	29.2	---	---	61.3	54.0	16.9	43.3	38.9	11.2	38.3	20
21	21.1	42.9	21.0	0	---	72.7	53.9	16.1	42.2	38.9	10.4	38.2	21
22	31.3	42.9	22.8	0	---	73.1	54.9	15.0	42.1	34.5	27.4	38.1	22
23	30.7	42.7	24.1	0	---	72.6	54.4	13.5	41.4	28.6	30.3	38.8	23
24	30.5	42.9	26.2	0	---	71.9	49.8	15.7	37.0	25.9	31.3	38.0	24
25	31.3	43.0	26.1	0	---	72.0	43.2	14.4	20.8	27.9	29.7	38.4	25
26	30.4	43.1	27.0	0	---	71.4	41.0	15.9	20.1	34.2	31.3	39.1	26
27	31.3	42.7	28.9	2.70	---	71.6	41.9	14.1	17.9	32.1	31.4	38.7	27
28	30.8	42.6	29.4	0	---	71.9	38.1	13.2	---	32.1	30.4	37.9	28
29	30.3		25.4	0	---	71.8	41.5	40.4	41.3	32.0	32.2	37.3	29
30	31.1		27.7	0	---	71.8	44.5	35.9	41.4	32.0	31.3	39.2	30
31	30.8		20.7		---		37.2	40.8		32.0		39.6	31
TOTAL	748.5	1 139.2	1 059.9	---	---	984.70	1 850.0	738.9	---	1 150.9	729.10	1 143.1	TOTAL
MEAN	24.1	40.7	34.2	---	---	32.8	59.7	23.8	---	37.1	24.3	36.9	MEAN
MAX	31.3	43.5	43.5	---	---	73.1	75.0	42.9	---	41.5	32.2	39.6	MAX
MIN	19.2	28.6	20.7	---	---	0	37.2	13.2	---	25.9	5.50	30.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 48 42 30 N
LONG 089 38 00 W
DRAINAGE AREA, 3 760 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	64 700	JUL	160 000
FEB	98 400	AUG	63 800
MAR	91 600	SEP	---
APR	---	OCT	99 400
MAY	---	NOV	63 000
JUN	85 100	DEC	98 800

DATA CONTRIBUTED BY -
ONTARIO HYDRO

KAPUSKASING RIVER AT KAPUSKASING - STATION NO. 04LF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	23.0	15.0	16.0	58.0	556	153	146	53.0	23.0	74.0	179	71.0	1
2	21.0	18.0	16.0	62.0	492	138	153	58.0	19.0	72.0	183	58.0	2
3	21.0	21.0	21.0	61.0	422	178	153	53.0	21.0	62.0	192	63.0	3
4	21.0	15.0	16.0	60.0	361	197	193	50.0	19.0	66.0	188	63.0	4
5	23.0	21.0	14.0	60.0	327	195	190	50.0	19.0	63.0	175	54.0	5
6	22.0	15.0	15.0	58.0	288	193	171	46.0	20.0	57.0	161	55.0	6
7	21.0	15.0	9.00	60.0	239	188	148	43.0	22.0	49.0	146	55.0	7
8	23.0	18.0	15.0	60.0	230	173	142	41.0	17.0	49.0	142	55.0	8
9	17.0	21.0	15.0	60.0	217	173	133	42.0	17.0	48.0	135	53.0	9
10	21.0	12.0	15.0	55.0	213	181	150	41.0	19.0	46.0	110	49.0	10
11	21.0	18.0	15.0	58.0	203	174	153	32.0	21.0	48.0	110	45.0	11
12	21.0	21.0	18.0	58.0	203	161	145	33.0	15.0	39.0	101	45.0	12
13	21.0	15.0	18.0	56.0	221	153	129	38.0	27.0	50.0	108	47.0	13
14	21.0	12.0	15.0	55.0	270	142	123	34.0	25.0	53.0	94.0	47.0	14
15	21.0	21.0	21.0	58.0	302	127	98.0	34.0	64.0	50.0	88.0	42.0	15
16	15.0	15.0	24.0	59.0	317	127	98.0	32.0	85.0	47.0	85.0	48.0	16
17	21.0	18.0	31.0	57.0	328	120	90.0	35.0	87.0	51.0	79.0	44.0	17
18	21.0	18.0	33.0	57.0	421	123	84.0	30.0	75.0	92.0	79.0	44.0	18
19	21.0	15.0	49.0	59.0	442	136	79.0	29.0	70.0	192	73.0	37.0	19
20	14.0	16.0	50.0	67.0	425	133	79.0	31.0	71.0	222	73.0	37.0	20
21	21.0	21.0	54.0	81.0	387	128	75.0	30.0	67.0	256	76.0	39.0	21
22	21.0	21.0	57.0	113	362	127	65.0	32.0	80.0	312	79.0	39.0	22
23	15.0	21.0	56.0	188	345	127	64.0	29.0	99.0	309	95.0	39.0	23
24	21.0	16.0	58.0	265	292	127	58.0	29.0	113	300	88.0	39.0	24
25	15.0	15.0	58.0	419	282	125	63.0	28.0	121	290	85.0	37.0	25
26	21.0	18.0	58.0	569	238	117	50.0	29.0	117	256	69.0	37.0	26
27	21.0	17.0	55.0	659	224	117	53.0	29.0	109	251	79.0	34.0	27
28	17.0	15.0	55.0	641	194	117	50.0	24.0	106	236	74.0	35.0	28
29	21.0		56.0	626	187	114	48.0	23.0	79.0	217	72.0	35.0	29
30	15.0		55.0	613	178	136	48.0	23.0	87.0	205	65.0	37.0	30
31	21.0		56.0		154		52.0	25.0		200		35.0	31
TOTAL	619.0	476.0	1 048.00	5 372.0	9 320	4 400	3 283.0	1 106.0	1 714.0	4 262.0	3 273.0	1 418.0	TOTAL
MEAN	20.0	17.0	33.8	179	301	147	106	35.7	57.1	137	109	45.7	MEAN
MAX	23.0	21.0	59.0	659	556	197	193	58.0	121	312	192	71.0	MAX
MIN	14.0	12.0	9.00	55.0	154	114	48.0	23.0	15.0	39.0	65.0	34.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 99.4
MAXIMUM DAILY, 659 ON APR 27
MINIMUM DAILY, 9.00 ON MAR 07

DATA CONTRIBUTED BY -
SPRUCE FALLS POWER AND PAPER COMPANY

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 25 04 N
LONG 082 26 15 W
DRAINAGE AREA, 6 760 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	53 500	JUL	284 000
FEB	41 100	AUG	95 600
MAR	90 500	SEP	148 000
APR	464 000	OCT	368 000
MAY	805 000	NOV	283 000
JUN	380 000	DEC	123 000

TOTAL DISCHARGE, 3 140 000 dam³

KASHABOWIE RIVER AT OUTLET OF KASHABOWIE LAKE - STATION NO. 02AB013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.30	2.10	6.20	3.80	0	2.60	13.7	2.80	1.40	0.700	3.10	4.80	1
2	2.30	2.10	6.10	3.80	0	2.60	13.3	2.60	1.30	0.700	3.10	4.60	2
3	2.30	2.10	6.10	3.90	0.600	3.10	13.0	2.60	1.30	0.700	3.10	4.60	3
4	2.20	2.10	6.00	3.80	1.70	3.10	12.8	2.60	1.30	0	3.10	4.60	4
5	2.20	3.50	5.80	3.80	3.30	3.10	12.2	2.80	1.30	0	4.50	4.40	5
6	2.20	4.90	5.70	3.80	5.20	3.10	11.5	2.60	1.20	0	5.20	4.30	6
7	2.20	4.90	5.30	3.80	9.00	3.10	11.2	2.40	1.20	0	4.80	4.30	7
8	2.10	4.70	5.10	3.80	11.8	3.10	11.4	2.20	1.20	0	4.80	4.10	8
9	2.10	4.60	5.00	3.70	12.2	3.60	11.2	2.20	1.10	0	4.60	4.10	9
10	2.10	4.40	4.90	3.70	12.6	3.60	11.2	2.00	1.00	0	4.80	4.20	10
11	2.10	4.30	4.90	3.70	14.2	3.60	6.20	2.00	1.00	0	4.80	4.00	11
12	2.10	4.30	4.80	3.70	15.6	3.90	1.60	2.20	1.00	0	4.80	4.00	12
13	2.10	4.20	4.80	3.60	14.7	4.20	1.80	2.20	1.00	0	4.60	4.00	13
14	2.10	4.10	4.70	3.60	14.7	4.20	1.80	1.80	1.00	0	4.60	3.90	14
15	2.10	4.00	4.70	3.60	13.9	3.90	2.00	1.80	1.00	0	4.30	3.90	15
16	2.10	4.00	4.60	3.60	13.9	3.90	2.20	1.60	0.900	0	6.10	3.90	16
17	2.10	3.90	4.60	3.50	13.5	4.80	2.20	2.00	0.900	0	6.50	3.80	17
18	2.10	3.90	4.60	3.50	12.6	6.20	2.60	2.80	0.900	0	6.00	3.80	18
19	2.10	3.80	4.50	3.50	12.3	15.5	2.80	1.80	0.900	0	5.70	3.80	19
20	2.10	3.80	4.50	3.50	11.9	15.2	2.80	1.80	0.900	0	5.50	3.80	20
21	2.10	3.80	4.40	0	11.6	15.2	3.10	1.80	0.900	0	5.50	3.80	21
22	2.10	3.60	4.40	0	11.2	15.2	3.10	1.60	0.900	0.600	5.50	3.80	22
23	2.10	3.60	4.40	0	10.9	14.7	3.10	1.60	0.900	0.700	5.20	3.80	23
24	2.10	3.60	4.30	0	10.6	14.1	3.10	1.60	0.800	0.900	5.20	3.80	24
25	2.10	3.60	4.30	0	10.1	13.7	3.10	1.70	0.800	1.40	5.00	3.80	25
26	2.10	3.50	4.20	0	9.80	14.4	3.10	1.70	0.800	1.60	5.00	3.80	26
27	2.10	3.50	4.20	0	9.50	14.1	3.10	1.70	0.800	1.80	5.00	3.80	27
28	2.10	4.90	4.10	0	9.10	14.1	3.10	1.70	0.800	2.20	5.00	3.80	28
29	2.10		4.10	0	8.80	14.1	3.10	1.60	0.800	2.20	5.00	3.80	29
30	2.10		3.90	0	2.60	14.1	3.10	1.50	0.800	2.50	4.80	3.80	30
31	2.10		3.80		2.60		3.10	1.40		2.70		3.70	31
TOTAL	66.10	105.80	149.00	73.70	281.500	240.10	181.60	62.90	30.100	18.700	145.20	124.60	TOTAL
MEAN	2.13	3.78	4.81	2.46	9.08	8.00	5.86	2.03	1.00	0.603	4.84	4.02	MEAN
MAX	2.30	4.90	6.20	3.90	15.6	15.5	13.7	2.80	1.40	2.70	6.50	4.80	MAX
MIN	2.10	2.10	3.80	0	0	2.60	1.60	1.40	0.800	0	3.10	3.70	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.05
MAXIMUM DAILY, 15.6 ON MAY 12
MINIMUM DAILY, 0 ON APR 21

DATA CONTRIBUTED BY -
ONTARIO HYDRO

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 48 39 25 N
LONG 090 25 03 W
DRAINAGE AREA, 526 km²

REGULATED SINCE 1953

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 710	JUL	15 700
FEB	9 140	AUG	5 430
MAR	12 900	SEP	2 600
APR	6 370	OCT	1 620
MAY	24 300	NOV	12 500
JUN	20 700	DEC	10 800

TOTAL DISCHARGE, 128 000 dam³

KAWINOGANS RIVER NEAR PICKLE CROW - STATION NO. 04FA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.39B	4.74B	3.56B	2.62B	25.2	19.1	31.0	7.59	3.07	3.54	6.75	7.85B	1
2	5.39B	4.70B	3.52B	2.60B	25.1	18.8	29.5	7.27	3.00	3.55	6.91	7.55B	2
3	5.39B	4.67B	3.48B	2.59B	24.5	27.3	27.8	6.91	3.10	4.11	7.15	7.35B	3
4	5.38B	4.63B	3.44B	2.59B	24.6	34.0	26.5	6.60	3.44	5.72	7.16	7.08B	4
5	5.38B	4.62B	3.41B	2.60B	25.4	35.8	25.6	6.42	3.51	6.77	7.22	6.92B	5
6	5.38B	4.59B	3.38B	2.61B	26.2	38.6	24.4	6.14	3.38	7.22	7.18	6.72B	6
7	5.37B	4.54B	3.36B	2.62B	27.2	40.3	23.3	5.89	3.36	7.42	6.99	6.55B	7
8	5.36B	4.49B	3.33B	2.65B	27.7	43.9	22.7	5.66	3.29	7.42	6.86	6.40B	8
9	5.35B	4.47B	3.29B	2.68B	28.1	47.2	21.9	5.28	3.19	7.40	6.89	6.20B	9
10	5.33B	4.43B	3.25B	2.74B	28.2	48.4	21.4	5.15	3.17	7.25	6.78	6.05B	10
11	5.32B	4.40B	3.22B	2.78B	28.8	48.0	20.0	4.93	3.15	7.10	6.70	5.95B	11
12	5.31B	4.38B	3.20B	2.83B	29.6	46.8	18.9	4.82	3.09	6.76	6.42	5.85B	12
13	5.30B	4.34B	3.18B	2.90B	29.3	46.1	18.1	4.74	3.19	6.65	6.21	5.75B	13
14	5.28B	4.28B	3.14B	2.99B	29.3	45.8	16.9	4.57	3.31	6.66	6.32	5.70B	14
15	5.26B	4.21B	3.12B	3.07B	29.1	46.6	15.9	4.47	3.34	6.70	6.39	5.65B	15
16	5.26B	4.14B	3.08B	3.15B	28.7	45.0	15.0	4.36	3.33	6.58	6.38	5.60B	16
17	5.24B	4.09B	3.04B	3.27B	28.7	42.0	13.9	4.18	3.40	6.33	6.22	5.53B	17
18	5.22B	4.05B	3.02B	3.40B	28.6	39.5	13.9	3.97	3.41	6.26	6.27	5.45B	18
19	5.20B	4.01B	2.97B	3.60B	28.2	37.3	13.2	3.87	3.40	6.17	6.26	5.38B	19
20	5.18B	3.97B	2.94B	3.90B	27.4	38.0	12.5	3.73	3.38	6.17	6.26	5.30B	20
21	5.16B	3.92B	2.92B	4.28B	26.9	39.8	11.9	3.60	3.41	6.33	6.77	5.25B	21
22	5.15B	3.88B	2.90B	5.28	26.4	39.8	11.4	3.54	3.57	6.31	9.28	5.20B	22
23	5.14B	3.83B	2.88B	7.33	26.0	38.2	10.9	3.48	3.71	6.40	10.7	5.15B	23
24	5.08B	3.78B	2.85B	12.1	25.5	36.1	10.5	3.44	3.73	6.47	10.9	5.08B	24
25	5.04B	3.72B	2.82B	17.7	25.0	34.0	9.93	3.36	3.69	6.51	10.7	5.00B	25
26	5.00B	3.69B	2.78B	20.5	24.4	32.5	9.50	3.33	3.72	6.48	9.97	4.95B	26
27	4.97B	3.66B	2.73B	20.8	23.4	31.2	9.21	3.30	3.65	6.58	9.45B	4.92B	27
28	4.92B	3.62B	2.71B	20.3	22.4	30.3	9.04	3.26	3.62	6.73	9.05B	4.88B	28
29	4.88B		2.68B	21.3	21.4	32.4	8.58	3.21	3.57	6.80	8.62B	4.82B	29
30	4.85B		2.66B	23.6	20.5	32.3	8.12	3.14	3.56	6.75	8.25B	4.78B	30
31	4.78B		2.64B		19.7		7.76	3.13		6.68		4.73B	31
TOTAL	161.26	117.85	95.50	211.38	811.5	1 135.1	519.24	143.34	101.74	197.82	227.01	179.59	TOTAL
MEAN	5.20	4.21	3.08	7.05	26.2	37.8	16.7	4.62	3.39	6.38	7.57	5.79	MEAN
MAX	5.39	4.74	3.56	23.6	29.6	48.4	31.0	7.59	3.73	7.42	10.9	7.85	MAX
MIN	4.78	3.62	2.64	2.59	19.7	18.8	7.76	3.13	3.00	3.54	6.21	4.73	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.7
MAXIMUM DAILY, 48.4 ON JUN 10
MINIMUM DAILY, 2.59B ON APR 03
MAXIMUM INSTANTANEOUS,
49.2 AT 15:01 EST ON JUN 10

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 38 40 N
LONG 089 53 30 W
DRAINAGE AREA, 1 540 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	13 900	JUL	44 900
FEB	10 200	AUG	12 400
MAR	8 250	SEP	8 790
APR	18 300	OCT	17 100
MAY	70 100	NOV	19 600
JUN	98 100	DEC	15 500

TOTAL DISCHARGE, 337 000 dam³

KEMPTVILLE CREEK NEAR KEMPTVILLE - STATION NO. 02LA006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.835B	5.07B	6.22B	9.48	8.26	3.35	0.827	0.446	0.089	0.296	1.77	3.24	1
2	0.833B	4.92B	5.70B	9.86	7.90	3.21	0.827	0.407	0.082	0.342	1.72	3.09	2
3	0.858B	4.80B	5.35B	12.6	6.72	3.18	0.779	0.370	0.078	0.388	1.65	2.86	3
4	0.934B	4.64B	5.00B	22.3	5.87	2.92	0.795	0.320	0.070	0.422	1.59	3.02	4
5	1.11 B	4.50B	4.74B	28.0	5.38	2.73	0.799	0.290	0.082	0.451	1.63	4.00B	5
6	1.78 B	4.39B	4.42B	29.3	5.51	2.55	0.678	0.272	0.076	0.447	2.08	5.47B	6
7	1.74 B	4.26B	3.97B	26.5	5.39	2.39	0.282	0.238	0.069	0.458	2.62	6.02B	7
8	1.71 B	4.20B	3.82B	22.6	5.63	2.23	0.491	0.192	0.059	0.451	3.16	6.28	8
9	1.70 B	5.75B	3.59B	19.3	5.95	2.15	0.579	0.160	0.050	0.505	3.07	6.26	9
10	1.68 B	8.00B	3.40B	18.1	6.27	2.07	0.534	0.152	0.044	0.612	3.23	6.24	10
11	1.67 B	7.92B	3.51B	20.4	8.25	1.99	0.500	0.147	0.044	0.754	3.54	5.74	11
12	1.64 B	7.88B	6.42B	21.7	8.58	1.80	0.474	0.138	0.048	1.66	3.38	6.52	12
13	1.63 B	7.82B	10.6 B	22.0	8.31	1.69	0.431	0.154	0.043	1.53	2.73B	5.38	13
14	1.62 B	9.80B	15.2 B	21.4	8.06	1.75	0.384	0.141	0.041	1.66	3.11B	4.80B	14
15	1.61 B	9.20B	19.9	20.8	7.77	1.65	0.367	0.165	0.045	1.68	2.89	4.40B	15
16	1.60 B	8.58B	27.0	19.1	7.38	1.59	0.401	0.202	0.036	1.73	3.09	4.01	16
17	1.67 B	7.95B	35.0	17.8	7.41	1.52	0.364	0.265	0.032	1.64	3.33	3.80	17
18	5.65 B	7.40B	41.7	16.2	8.90	1.36	0.355	0.256	0.034	1.72	3.39	3.58	18
19	5.92 B	7.00B	41.2	14.9	9.07	1.22	0.359	0.233	0.033	1.99	3.24	4.83B	19
20	5.80 B	6.62B	38.7	13.5	9.11	1.14	0.412	0.191	0.035	2.19	3.07	5.32B	20
21	5.59 B	6.22B	34.2	14.4	10.7	1.11	0.443	0.166	0.036	2.14	2.90	4.76B	21
22	5.42 B	6.70B	32.5	15.1	11.3	1.08	0.436	0.133	0.045	2.13	2.79	6.60B	22
23	5.37 B	8.35B	30.2	14.6	11.1	1.03	0.570	0.127	0.055	2.23	2.87	14.1 B	23
24	5.31 B	9.07B	26.0	13.3	10.1	1.06	0.562	0.136	0.068	2.18	3.07	19.6	24
25	5.29 B	8.62B	22.9	12.3	8.81	1.08	0.620	0.130	0.070	2.01	3.21	22.4	25
26	6.00 B	8.20B	19.6	13.9	7.70	1.02	0.614	0.115	0.068	1.81	3.26	23.5	26
27	5.80 B	7.85B	16.2	12.2	6.90	0.921	0.565	0.114	0.061	1.69	3.19	25.6	27
28	5.69 B	7.35B	13.9	11.0	6.17	0.867	0.472	0.127	0.066	1.62	3.25	27.9	28
29	5.52 B		12.2	9.94	5.50	0.822	0.401	0.125	0.072	1.61	3.31	21.8	29
30	5.38 B		10.9	8.99	5.02	0.822	0.356	0.094	0.170	1.71	3.30	23.2	30
31	5.20 B		9.88		4.46		0.438	0.092		1.77		25.9	31
TOTAL	102.560	193.06	513.72	511.57	233.08	52.302	16.115	6.098	1.801	41.826	85.44	310.22	TOTAL
MEAN	3.31	6.90	16.6	17.1	7.52	1.74	0.520	0.197	0.060	1.35	2.85	10.0	MEAN
MAX	6.00	9.80	41.7	29.3	11.3	3.35	0.827	0.446	0.170	2.23	3.54	27.9	MAX
MIN	0.833	4.20	3.40	8.99	4.46	0.822	0.282	0.092	0.032	0.296	1.59	2.86	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.67
MAXIMUM DAILY, 41.7 ON MAR 18
MINIMUM DAILY, 0.032 ON SEP 17
MAXIMUM INSTANTANEOUS,
43.0 AT 22:07 EST ON MAR 18

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 59 38 N
LONG 075 39 46 W
DRAINAGE AREA, 409 km²

B - ICE CONDITIONS

REGULATED SINCE 1951

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	8 860	JUL	1 390
FEB	16 700	AUG	527
MAR	44 400	SEP	156
APR	44 200	OCT	3 610
MAY	20 100	NOV	7 380
JUN	4 520	DEC	26 800

TOTAL DISCHARGE, 179 000 dam³

KENNY CREEK NEAR BURFORD - STATION NO. 02GB009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.125B	0.812B	0.972B	1.09	0.355	0.358	0.237	0.323	0.098	0.095	0.428	1.02	1
2	0.150B	0.949B	0.897B	1.16	0.317	0.325	0.199	0.212	0.086	0.112	0.474	0.888	2
3	0.185	0.869B	0.917B	1.58	0.298	0.531	0.167	0.171	0.078	0.108	0.466	0.858	3
4	0.275	0.826B	0.830B	1.50	0.323	0.711	0.147	0.156	0.069	0.265	0.383	1.94	4
5	0.568B	0.812B	0.652B	1.20	0.367	0.665	0.132	0.161	0.069	0.919	0.549	3.96	5
6	0.864B	0.852B	0.559B	0.968	0.418	0.542	0.110	0.155	0.075	0.799	5.56	2.66	6
7	0.814B	0.849	0.531B	0.848	0.360	0.441	0.088	0.141	0.094	0.563	7.20	1.61	7
8	0.742B	1.12	0.507B	0.749	0.323	0.411	0.100	0.124	0.100	0.433	3.91	1.28	8
9	0.607	4.65 B	0.855B	0.664	0.314	0.437	15.0	0.112	0.107	0.483	2.33	1.35	9
10	0.640	7.56 B	3.78 B	0.695	0.315	0.380	12.7	0.101	0.093	1.14	1.65	1.96	10
11	0.788B	5.10 B	6.86	1.66	0.309	0.331	4.21	0.098	0.082	1.54	1.46	2.23	11
12	0.738B	2.81 B	10.1	2.12	0.287	0.288	1.89	0.097	0.076	1.39	1.21	1.49	12
13	0.661B	1.71	13.4	1.23	0.489	0.244	0.920	0.141	0.075	2.22	1.04	1.28	13
14	0.544B	1.65	10.8	1.01	0.929	0.232	0.724	0.250	0.073	3.11	0.952	1.22	14
15	0.489	1.46 B	7.40	1.11	0.837	0.227	0.803	0.221	0.238	1.69	0.888	0.992	15
16	0.494	1.17 B	5.54	1.09	0.970	0.192	0.727	0.176	0.492	1.07	0.857	0.945	16
17	1.37	0.947B	4.62	1.08	2.14	0.167	0.565	0.149	0.310	0.847	0.817	0.949	17
18	8.47 B	0.906B	3.35	1.13	4.10	0.194	0.442	0.136	0.228	0.822	0.759	1.24	18
19	8.90 B	0.794B	2.47	0.937	4.03	0.181	0.371	0.146	0.175	1.37	0.720	2.63	19
20	5.71 B	0.552B	1.78	0.866	2.55	0.157	0.394	0.273	0.157	1.24	0.682	2.85	20
21	3.17 B	0.499B	1.66	1.10	5.46	0.145	0.477	0.353	0.154	0.918	0.648	1.66	21
22	1.63 B	1.20 B	1.62	1.21	5.09	0.144	0.442	0.270	0.143	0.834	0.701	2.05	22
23	0.994B	11.0 B	1.85	0.982	2.75	0.267	0.429	0.222	0.139	0.757	1.20	4.80 B	23
24	1.24 B	6.27 B	1.66	0.824	1.49	0.797	0.408	0.183	0.148	0.704	1.30	5.61 B	24
25	2.39 B	6.65 B	1.18	0.702	1.02	0.698	0.477	0.15₅	0.130	0.648	1.08	3.00 B	25
26	3.71 B	3.95 B	1.00	0.617	0.824	0.442	0.455	0.134	0.110	0.603	0.917	1.78 B	26
27	3.44	2.11 B	0.863	0.577	0.690	0.403	0.303	0.119	0.090	0.557	0.962	1.22 B	27
28	2.33	1.30 B	0.776	0.486	0.588	0.360	0.245	0.134	0.097	0.531	1.56	1.02 B	28
29	1.73 B		0.726	0.425	0.506	0.313	0.200	0.132	0.083	0.506	1.84	4.41	29
30	0.988B		0.816	0.385	0.455	0.275	0.183	0.138	0.094	0.473	1.37	42.6	30
31	0.786B		1.05		0.404		0.256	0.115		0.446		15.3	31
TOTAL	55.542	69.377	89.821	29.995	39.308	10.858	43.801	5.302	3.963	27.393	43.913	116.802	TOTAL
MEAN	1.79	2.48	2.90	1.00	1.27	0.362	1.41	0.171	0.132	0.884	1.46	3.77	MEAN
MAX	8.90	11.0	13.4	2.12	5.46	0.797	15.0	0.353	0.492	3.11	7.20	42.6	MAX
MIN	0.125	0.499	0.507	0.385	0.287	0.144	0.088	0.097	0.069	0.095	0.383	0.858	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MEAN, 1.47
MAXIMUM DAILY, 42.6 ON DEC 30
MINIMUM DAILY, 0.069 ON SEP 04
MAXIMUM INSTANTANEOUS,
68.8 AT 06:00 EST ON DEC 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 05 57 N
LONG 080 29 19 W
DRAINAGE AREA, 91.9 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 800	JUL	3 780
FEB	5 990	AUG	458
MAR	7 760	SEP	342
APR	2 590	OCT	2 370
MAY	3 400	NOV	3 790
JUN	938	DEC	10 100

TOTAL DISCHARGE, 46 300 dam³

KENOGAMI RIVER AT KENOGAMI DAM - STATION NO. 04JD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	0	---	---	---	---	---	---	1
2	---	---	---	---	---	0	---	---	---	---	---	---	2
3	---	---	---	---	---	0	---	---	---	---	---	---	3
4	---	---	---	---	---	0	---	---	---	---	---	---	4
5	---	---	---	---	---	0	---	---	---	---	---	---	5
6	---	---	---	---	---	0	---	---	---	---	---	---	6
7	---	---	---	---	---	0	---	---	---	---	---	---	7
8	---	---	---	---	---	0	---	---	---	---	---	---	8
9	---	---	---	---	---	0	---	---	---	---	---	---	9
10	---	---	---	---	---	0	---	---	---	---	---	---	10
11	---	---	---	---	---	0	---	---	---	---	---	---	11
12	---	---	---	---	---	0	---	---	---	---	---	---	12
13	---	---	---	---	---	0	---	---	---	---	---	---	13
14	---	---	---	---	---	0	---	---	---	---	---	---	14
15	---	---	---	---	---	0	---	---	---	---	---	---	15
16	---	---	---	---	---	0	---	---	---	---	---	---	16
17	---	---	---	---	---	0	---	---	---	---	---	---	17
18	---	---	---	---	---	0	---	---	---	---	---	---	18
19	---	---	---	---	---	0	---	---	---	---	---	---	19
20	---	---	---	---	---	0	---	---	---	---	---	---	20
21	---	---	---	---	---	0	---	---	---	---	---	---	21
22	---	---	---	---	---	27.9	---	---	---	---	---	---	22
23	---	---	---	---	---	48.4	---	---	---	---	---	---	23
24	---	---	---	---	---	46.8	---	---	---	---	---	---	24
25	---	---	---	---	---	45.2	---	---	---	---	---	---	25
26	---	---	---	---	---	43.7	---	---	---	---	---	---	26
27	---	---	---	---	---	42.1	---	---	---	---	---	---	27
28	---	---	---	---	---	40.6	---	---	---	---	---	---	28
29	---	---	---	---	---	18.5	---	---	---	---	---	---	29
30	---		---	---	---	0	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
TOTAL	---	---	---	---	---	313.2	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	---	---	10.4	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	48.4	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 55 05 N
LONG 086 29 17 W
DRAINAGE AREA, 4 270 km²

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	---
APR	---	OCT	---
MAY	---	NOV	---
JUN	27 100	DEC	---

DATA CONTRIBUTED BY -
ONTARIO HYDRO

REGULATED SINCE 1939

KENOGAMI RIVER NEAR MAMMAMATTAWA - STATION NO. 04JG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	60.2B	43.5B	34.8B	92.0B	2 270	550	653	137	81.2	295	425	176 B	1
2	59.8B	43.0B	34.5B	96.5B	2 210	509	624	132	75.8	277	413	170 B	2
3	59.5B	42.6B	34.2B	101 B	2 040	501	617	125	71.0	256	415	166 B	3
4	59.0B	42.2B	34.0B	107 B	1 870	549	695	120	69.3	245	437	161 B	4
5	58.4B	41.8B	34.0B	112 B	1 740	585	776	118	67.2	233	449	155 B	5
6	57.6B	41.5B	33.9B	117 B	1 610	595	741	114	65.0	223	439	151 B	6
7	56.8B	41.0B	33.8B	118 B	1 480	605	659	108	63.0	216	408	147 B	7
8	56.2B	40.5B	33.9B	117 B	1 350	611	604	103	60.2	205	366B	142 B	8
9	55.5B	40.0B	34.0B	116 B	1 250	605	609	104	59.6	195	345B	139 B	9
10	54.6B	39.8B	34.0B	113 B	1 140	626	644	113	57.3	186	330B	136 B	10
11	54.0B	39.5B	34.0B	111 B	1 040	657	639	128	54.5	181	305B	132 B	11
12	53.6B	39.2B	34.2B	110 B	999	631	588	145	58.6	180	230B	129 B	12
13	53.0B	39.0B	36.0B	108 B	1 010	586	526	145	61.2	184	217B	126 B	13
14	52.2B	38.8B	38.5B	107 B	1 020	560	468	137	71.1	194	210B	123 B	14
15	51.5B	38.4B	44.0B	106 B	1 050	550	415	128	87.1	209	225B	120 B	15
16	50.8B	38.2B	51.0B	107 B	1 060	530	369	119	99.4	223	270B	117 B	16
17	50.2B	38.0B	62.0B	109 B	1 070	511	333	113	104	233	274B	115 B	17
18	49.8B	37.8B	75.0B	113 B	1 140	755	311	106	101	252	255B	112 B	18
19	49.4B	37.6B	91.0B	121 B	1 270	1 080	286	101	99.2	259	235B	110 B	19
20	48.8B	37.3B	98.0B	133 B	1 330	1 110	263	97.0	98.0	257	227B	108 B	20
21	48.4B	37.0B	103 B	153 B	1 290	1 010	244	90.7	98.5	274	225B	107 B	21
22	48.0B	36.7B	104 B	185 B	1 190	1 000	226	84.6	130	315	230B	105 B	22
23	47.6B	36.3B	103 B	255 B	1 090	1 070	211	80.1	228	369	235B	103 B	23
24	47.0B	36.0B	101 B	460 B	1 000	1 030	198	75.3	186	417	233B	102 B	24
25	46.5B	35.8B	99.0B	1 080 B	930	915	187	72.8	455	453	221B	100 B	25
26	46.0B	35.6B	96.0B	1 690 B	865	823	180	75.4	449	464	202B	98.0B	26
27	45.6B	35.3B	93.0B	2 030 B	800	775	170	75.3	420	454	197B	97.0B	27
28	45.2B	35.0B	90.1B	2 050	747	731	157	80.8	385	451	192B	95.0B	28
29	44.6B		87.0B	2 050	697	685	149	86.4	352	452	187B	94.0B	29
30	44.2B		86.0B	2 190	645	665	140	86.4	322	448	182B	93.0B	30
31	43.8B		88.5B		599		139	83.9		437		92.0B	31
TOTAL	1 597.8	1 087.4	1 955.4	14 357.5	37 802	21 410	12 821	3 284.7	4 729.1	9 037	8 579	3 821.0	TOTAL
MEAN	51.5	38.8	63.1	479	1 220	714	414	106	158	292	286	123	MEAN
MAX	60.2	43.5	104	2 190	2 270	1 110	776	145	455	464	449	176	MAX
MIN	43.8	35.0	33.8	92.0	599	501	139	72.8	54.5	180	182	92.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 330
MAXIMUM DAILY, 2 270 ON MAY 01
MINIMUM DAILY, 33.8B ON MAR 07
MAXIMUM INSTANTANEOUS,
2 280 AT 15:26 EST ON MAY 01

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 26 20 N
LONG 084 23 15 W
DRAINAGE AREA, 26 200 km²

B - ICE CONDITIONS

REGULATED SINCE 1939

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	138 000	JUL	1 110 000
FEB	94 000	AUG	284 000
MAR	169 000	SEP	409 000
APR	1 240 000	OCT	781 000
MAY	3 270 000	NOV	741 000
JUN	1 850 000	DEC	330 000

TOTAL DISCHARGE, 10 400 000 dam³

KETTLE CREEK ABOVE ST. THOMAS - STATION NO. 02GC029

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.120B	0.871B	0.885B	1.22	0.319	0.215	3.01	0.615	0.852	0.491	0.452	1.26	1
2	0.260B	2.76 B	1.20 B	2.54	0.280	0.187	0.675	0.320	0.567	0.439	0.395	1.01	2
3	0.483	1.83 B	2.06 B	2.93	0.226	1.31	0.332	0.219	0.443	0.367	0.376	2.58	3
4	1.15 B	1.22 B	1.54 B	2.11	0.268	0.996	0.210	0.181	0.381	4.93	0.363	15.4	4
5	5.00 B	0.878B	0.765B	1.50	0.415	0.625	0.142	0.164	0.351	3.78	6.56	5.92	5
6	4.05	0.871B	0.592B	1.28	0.316	0.432	0.110	0.143	1.21	1.58	20.7	3.04	6
7	1.90 B	2.30	0.466B	1.05	0.261	0.322	0.099	0.107	6.76	0.981	5.80	2.24	7
8	1.30 B	8.61	0.454B	0.879	0.204	1.20	0.084	0.081	1.55	0.777	3.06	2.14	8
9	1.14	17.9	4.33	0.743	0.188	1.21	6.19	0.071	0.874	3.86	2.12	2.58	9
10	1.94 B	10.1	6.52	2.53	0.203	0.645	2.35	0.055	0.735	5.98	2.85	3.60	10
11	2.42 B	3.98	11.5	6.74	0.191	0.436	0.788	0.049	0.517	10.0	2.07	2.42	11
12	1.62 B	3.16 B	12.0	2.73	0.172	0.324	0.447	0.116	0.366	7.28	1.60	1.68	12
13	1.06 B	2.76	13.9	1.66	0.934	0.274	0.280	0.743	0.306	9.38	1.29	1.74	13
14	0.907B	2.06	9.01	1.35	1.26	0.224	0.907	0.560	3.11	3.78	1.13	1.31	14
15	0.901	1.39 B	5.48	1.56	0.764	0.210	1.40	0.270	6.38	2.19	1.05	1.08	15
16	0.958	1.36	4.24	1.34	3.73	0.178	0.732	0.187	2.34	1.43	1.01	1.50	16
17	17.0 B	1.11 B	3.74	1.32	8.69	0.158	0.458	0.146	1.38	1.07	0.987	1.45	17
18	26.4 B	0.959B	2.28	1.15	5.28	0.134	0.338	0.132	0.892	9.50	0.862	5.57	18
19	9.90 B	0.857B	1.78	0.951	2.52	0.126	0.269	0.127	0.776	5.32	0.768	7.02	19
20	4.82 B	0.709B	1.68	0.915	2.38	0.107	0.318	0.180	0.773	2.45	0.713	3.07	20
21	2.68 B	0.681B	1.43	2.44	3.12	0.096	0.321	0.149	0.659	1.62	0.686	3.03	21
22	1.72 B	21.9	1.48	1.76	1.83	0.097	0.259	0.125	0.877	1.26	3.19	9.45	22
23	1.20 B	35.7	2.44	1.65	1.19	0.246	0.215	0.115	0.758	1.03	3.90	11.2	23
24	2.87 B	11.0	1.50	0.984	0.851	1.36	0.264	0.099	0.775	0.880	2.26	5.85	24
25	5.47	3.92 B	1.09	0.789	0.661	0.581	0.538	0.092	0.810	0.759	1.57	2.63 B	25
26	6.06	2.36 B	0.921	0.652	0.562	0.354	0.296	0.093	0.655	0.659	1.20	1.59 B	26
27	5.83	1.88 B	0.764	0.560	0.469	0.339	0.191	0.084	0.528	0.569	2.53	1.07 B	27
28	3.49	1.12 B	0.666	0.495	0.419	0.271	0.135	40.9	0.450	0.509	4.07	0.772B	28
29	1.84 B		0.634	0.419	0.443	0.209	0.104	30.2	0.387	0.486	2.96	29.3	29
30	1.12 B		0.878	0.356	0.323	0.203	0.994	4.99	0.436	0.469	1.74	41.3	30
31	0.878B		1.23		0.307		2.17	1.71		0.460		12.2	31
TOTAL	113.487	142.246	97.455	46.203	38.776	13.069	24.632	83.023	36.898	84.286	78.262	185.002	TOTAL
MEAN	3.66	5.08	3.14	1.54	1.25	0.436	0.795	2.68	1.23	2.72	2.61	5.97	MEAN
MAX	26.4	35.7	13.9	6.74	8.69	1.36	6.19	40.9	6.76	10.0	20.7	41.3	MAX
MIN	0.120	0.681	0.454	0.356	0.172	0.096	0.084	0.049	0.306	0.367	0.363	0.772	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.58
MAXIMUM DAILY, 41.3 ON DEC 30
MINIMUM DAILY, 0.049 ON AUG 11
MAXIMUM INSTANTANEOUS,
212 AT 20:24 EST ON AUG 28

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 50 05 N
LONG 081 08 05 W
DRAINAGE AREA, 135 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 810	JUL	2 130
FEB	12 300	AUG	7 170
MAR	8 420	SEP	3 190
APR	3 990	OCT	7 280
MAY	3 350	NOV	6 760
JUN	1 130	DEC	16 000

TOTAL DISCHARGE, 81 500 dam³

KETTLE CREEK AT ST. THOMAS - STATION NO. 02GC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.590B	2.65B	3.51B	3.25	0.914	0.564	2.43	1.59	2.55	0.906	0.899	3.06	1
2	0.780B	7.17	3.10B	5.77	0.806	0.466	1.66	0.693	1.54	0.969	0.446	2.52	2
3	1.12	6.85	4.64B	9.87	0.687	3.80	0.720	0.455	0.989	0.847	0.711	5.96	3
4	3.70 B	4.82	3.25B	7.29	0.871	3.14	0.461	0.418	1.61	6.08	0.713	40.4	4
5	14.5 B	3.59	2.12B	5.01	1.14	1.81	0.361	0.406	1.50	9.69	6.75	16.2	5
6	11.1	3.31	1.49B	4.18	1.00	1.27	0.298	0.286	2.50	4.25	54.6	7.28	6
7	6.23 B	6.14	1.25B	3.44	0.825	0.986	0.238	0.286	30.8	2.72	16.2	5.24	7
8	4.30 B	16.8	1.20B	2.72	0.694	4.34	0.194	0.246	10.1	1.91	7.72	4.97	8
9	3.57	15.2	6.00	2.24	0.597	4.80	4.23	0.178	3.95	6.71	5.40	5.22	9
10	5.43	23.2	18.3	5.63	0.562	2.33	4.93	0.150	3.02	15.7	6.51	7.07	10
11	6.60	9.33	32.8	20.2	0.554	1.46	1.64	0.176	3.05	25.5	5.34	5.42	11
12	5.58	5.41	36.2	8.41	0.539	1.05	0.859	0.405	1.85	15.9	4.13	3.82	12
13	3.78	4.12	36.8	4.90	3.41	0.856	0.558	1.12	1.22	24.1	3.33	3.63	13
14	3.07 B	4.47	21.3	3.96	5.17	0.822	1.28	0.65	6.24	10.0	2.77	3.19	14
15	2.66	3.65	12.2	4.32	2.73	0.656	2.96	0.829	24.0	5.82	2.46	2.61	15
16	2.73	3.38	9.08	3.85	11.2	0.502	1.80	0.510	9.14	4.56	2.35	3.31	16
17	22.5 B	3.05B	8.83	3.62	25.5	0.395	1.05	0.454	5.69	3.68	2.41	3.97	17
18	76.3 B	2.62B	5.94	3.36	15.1	0.349	0.759	0.336	3.23	18.9	2.25	10.3	18
19	29.8 B	2.39B	4.54	2.64	7.05	0.330	0.579	0.384	2.51	16.2	2.13	18.7	19
20	12.3	1.56B	4.26	2.78	5.39	0.335	0.573	0.343	2.49	6.47	1.99	8.20	20
21	6.99	1.49B	3.72	7.58	7.54	0.309	0.552	0.341	2.15	4.12	1.84	6.03	21
22	4.84	28.3	3.55	5.60	4.96	0.319	0.553	0.310	2.38	3.33	3.65	22.5	22
23	3.60 B	98.3 E	5.13	3.80	3.36	1.38	0.499	0.287	2.17	2.87	9.64	27.1	23
24	5.79	28.0 B	4.13	2.76	2.38	3.53	0.427	0.271	1.73	2.68	5.60	16.2	24
25	12.9	10.9 B	2.92	2.17	1.82	2.17	0.466	0.240	1.64	2.67	3.81	6.37B	25
26	16.4	7.45B	2.41	1.92	1.54	1.22	0.531	0.202	1.50	1.72	2.98	4.28B	26
27	7.67	5.67B	2.02	1.68	1.27	0.956	0.358	0.214	1.34	0.452	4.64	3.41B	27
28	8.35	4.00B	1.77	1.39	1.04	0.733	0.205	15.1	1.12	0.416	9.06	2.67B	28
29	5.63		1.64	1.14	0.987	0.591	0.273	82.9	0.928	1.59	8.16	74.0 E	29
30	3.56 B		2.14	1.03	0.900	0.600	0.386	13.8	0.912	2.04	4.30	104 E	30
31	2.77 B		3.19		0.710		2.40	4.90		1.77		31.9	31
TOTAL	295.140	333.82	249.43	136.51	111.246	42.069	34.310	129.480	133.859	204.570	182.789	459.53	TOTAL
MEAN	9.52	11.9	8.05	4.55	3.59	1.40	1.11	4.18	4.46	6.60	6.09	14.8	MEAN
MAX	76.3	98.3	36.8	20.2	25.5	4.80	4.93	82.9	30.8	25.5	54.6	104	MAX
MIN	0.590	1.49	1.20	1.03	0.539	0.309	0.194	0.150	0.912	0.416	0.446	2.52	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.34
MAXIMUM DAILY, 104E ON DEC 30
MINIMUM DAILY, 0.150 ON AUG 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 46 40 N
LONG 081 12 52 W
DRAINAGE AREA, 329 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	25 500	JUL	2 960
FEB	28 800	AUG	11 200
MAR	21 600	SEP	11 600
APR	11 800	OCT	17 700
MAY	9 610	NOV	15 000
JUN	3 630	DEC	39 700

TOTAL DISCHARGE, 200 000 dam³

KWATABOAHEGAN RIVER NEAR THE MOUTH - STATION NO. 04KA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.20B	1.50 B	0.810B	3.30B	412	71.4	74.2	5.28	13.6	61.4	42.6	18.3 B	1
2	5.80B	1.41 B	0.800B	3.35B	375	63.6	63.5	4.91	13.1	56.8	43.0	17.2 B	2
3	5.40B	1.30 B	0.800B	3.40B	330	79.1	55.3	4.53	12.2	52.1	46.8	16.4 B	3
4	5.15B	1.27 B	0.780B	3.55B	293	142	48.2	5.53	11.8	49.7	50.0	15.4 B	4
5	4.90B	1.24 B	0.770B	3.66B	268	182	41.8	12.3	12.2	47.3	49.8	14.7 B	5
6	4.70B	1.20 B	0.780B	3.85B	240	184	36.2	14.8	12.5	44.8	44.9	14.1 B	6
7	4.50B	1.17 B	0.790B	3.95B	213	177	31.9	13.2	12.7	42.2	39.0	13.5 B	7
8	4.20B	1.14 B	0.800B	3.98B	197	171	28.7	11.6	12.2	38.8	36.6	12.9 B	8
9	4.60B	1.11 B	0.820B	3.96B	183	161	34.6	11.1	11.6	36.3	34.7	12.2 B	9
10	3.85B	1.07 B	0.900B	3.95B	173	151	42.5	11.5	11.2	33.2	33.2	11.7 B	10
11	3.70B	1.04 B	1.00 B	3.90B	155	141	44.6	12.3	11.0	32.3	32.3	11.3 B	11
12	3.50B	1.02 B	1.70 B	3.89B	149	127	41.3	12.7	10.9	31.9	31.2B	10.9 B	12
13	3.30B	1.00 B	2.20 B	3.86B	155	114	35.1	12.6	10.3	37.1	30.0B	10.6 B	13
14	3.20B	0.980B	2.50 B	3.85B	165	108	29.7	12.5	10.9	39.1	29.0B	10.2 B	14
15	3.00B	0.970B	2.80 B	3.85B	171	109	25.1	11.5	12.3	43.2	28.2B	9.80B	15
16	2.90B	0.950B	3.00 B	3.88B	170	106	21.7	10.5	15.1	49.9	27.3B	9.40B	16
17	2.80B	0.940B	3.10 B	3.92B	167	96.6	20.0	10.2	17.1	50.7	26.5B	9.00B	17
18	2.70B	0.930B	3.10 B	4.00B	172	95.7	17.9	9.63	17.4	50.6	25.4B	8.70B	18
19	2.60B	0.920B	3.02 B	4.02B	188	125	15.8	8.82	17.8	50.2	24.8B	8.40B	19
20	2.50B	0.910B	2.97 B	4.10B	197	142	14.1	8.13	17.6	47.9	24.2B	8.10B	20
21	2.40B	0.900B	2.93 B	4.20B	195	138	12.7	7.54	16.8	46.4	23.8B	7.80B	21
22	2.32B	0.900B	3.30 B	4.40B	185	127	11.2	6.87	17.2	46.0	25.0B	7.55B	22
23	2.24B	0.900B	3.50 B	5.30B	173	131	10.2	6.32	27.6	47.4	26.5B	7.30B	23
24	2.17B	0.900B	3.70 B	17.0 B	160	139	9.42	5.67	46.2	49.3	24.5B	7.10B	24
25	2.10B	0.870B	3.70 B	34.0 B	146	133	8.48	5.10	58.6	51.8	23.0B	6.90B	25
26	2.05B	0.860B	3.65 B	106 B	133	125	8.04	5.39	63.8	53.4	21.6B	6.70B	26
27	1.98B	0.850B	3.55 B	205 B	121	123	7.44	6.55	65.7	53.2	21.1B	6.60B	27
28	1.90B	0.830B	3.50 B	240 B	109	113	6.66	11.0	67.8	52.1	21.0B	6.40B	28
29	1.80B		3.37 B	270 B	99.2	98.4	6.22	12.2	67.7	49.6	20.6B	6.20B	29
30	1.70B		3.30 B	380 B	88.8	86.1	6.05	13.2	65.5	47.2	19.9B	6.05B	30
31	1.65B		3.28 B		79.1		5.49	13.8		44.1		5.90B	31
TOTAL	101.21	29.080	71.220	1 342.12	5 862.1	3 759.9	814.10	297.27	760.3	1 438.2	926.5	317.30	TOTAL
MEAN	3.26	1.04	2.30	44.7	189	125	26.3	9.59	25.3	46.4	30.9	10.2	MEAN
MAX	6.20	1.50	3.70	380	412	184	74.2	14.8	67.8	61.4	50.0	18.3	MAX
MIN	1.65	0.830	0.770	3.30	79.1	63.6	5.49	4.53	10.3	32.3	19.9	5.90	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 43.1
MAXIMUM DAILY, 412 ON MAY 01
MINIMUM DAILY, 0.770B ON MAR 05
MAXIMUM INSTANTANEOUS, 425 AT 11:11 EST ON MAY 01

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 09 00 N
LONG 080 52 00 W
DRAINAGE AREA, 4 250 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	8 740	JUL	70 300
FEB	2 510	AUG	25 700
MAR	6 150	SEP	65 700
APR	116 000	OCT	124 000
MAY	506 000	NOV	80 000
JUN	325 000	DEC	27 400

TOTAL DISCHARGE, 1 360 000 dam³

LA VASE RIVER AT NORTH BAY - STATION NO. 02DD013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.080B	0.879B	0.217B	0.964	0.952	0.213	1.31	1.35	0.033	1.12	0.683	3.28	1
2	0.100B	0.780B	0.207B	1.39	0.761	0.176	0.961	0.615	0.032	1.35	0.585	2.28	2
3	0.110B	0.690B	0.195B	1.56	3.584	0.166	0.567	0.353	0.028	1.35	0.583	1.56	3
4	0.121B	0.600B	0.178B	1.61	0.493	0.160	0.347	0.240	0.022	1.23	1.07	1.29 B	4
5	0.130B	0.540B	0.163B	1.92	0.440	0.148	0.258	0.198	0.017	1.62	1.92	1.24 B	5
6	0.128B	0.480B	0.150B	2.10	0.563	0.136	0.219	0.226	0.014	1.16	1.97	1.18 B	6
7	0.123B	0.410B	0.138B	1.84	0.595	0.125	0.176	0.222	0.012	0.778	1.80	1.10 B	7
8	0.118B	0.370B	0.128B	1.41	0.633	0.108	0.149	0.189	0.008	0.810	1.45	1.08	8
9	0.115B	0.400B	0.120B	1.57	1.74	0.116	0.149	0.167	0.007	1.24	1.20	1.01	9
10	0.112B	0.520B	0.128B	2.58	1.62	0.132	0.137	0.130	0.008	2.19	1.12	0.975	10
11	0.108B	0.720B	0.145B	2.68	2.19	0.133	0.108	0.098	0.009	3.47	1.08 B	0.950B	11
12	0.105B	0.650B	0.239B	2.32	1.79	0.110	0.085	0.081	0.008	3.05	1.03 B	0.880B	12
13	0.103B	0.620B	0.940B	1.92	1.12	0.137	0.077	0.077	0.011	2.04	0.990B	0.760B	13
14	0.102B	0.550B	2.20 B	2.05	0.761	0.257	0.066	0.072	0.061	1.46	0.972	0.640B	14
15	0.100B	0.500B	5.79 B	2.50	0.600	0.144	0.062	0.065	1.92	1.57	1.00	0.590B	15
16	0.100B	0.440B	11.5 B	2.64	0.604	0.105	0.062	0.062	3.38	1.97	2.88	0.540B	16
17	0.350B	0.390B	10.0 B	2.80	1.32	0.084	0.049	0.066	1.85	1.73	5.74	0.520B	17
18	0.800B	0.350B	8.36	2.71	9.74	0.114	0.049	0.085	0.819	1.69	4.65	0.490B	18
19	1.27 B	0.330B	6.03	2.29	15.4	0.266	0.048	0.083	0.436	4.43	2.87	0.470B	19
20	1.18 B	0.300B	4.47	2.67	8.62	0.295	0.047	0.071	0.307	3.32	1.93	0.450B	20
21	1.05 B	0.280B	3.59	2.89	4.57	0.218	0.043	0.122	0.278	2.08	1.70	0.440B	21
22	0.980B	0.270B	3.28	2.56	2.42	0.191	0.041	0.114	0.521	1.69	4.42	0.460B	22
23	0.920B	0.268B	3.76	2.30	1.62	0.221	0.035	0.083	0.780	1.48	6.50	0.500B	23
24	0.870B	0.260B	3.53	2.10	1.12	2.50	0.029	0.072	0.617	1.16	5.03	0.530B	24
25	0.820B	0.250B	2.48	2.29	0.808	2.94	0.025	0.055	0.718	1.04	3.84	0.420B	25
26	0.880B	0.240B	1.76	2.29	0.653	1.59	0.026	0.046	1.39	1.01	2.83	0.360B	26
27	0.970B	0.235B	1.43	1.96	0.641	1.40	0.024	0.039	1.43	0.836	2.10	0.330B	27
28	1.11 B	0.225B	1.09	1.60	0.508	1.17	0.022	0.038	1.00	0.764	1.99	0.310B	28
29	1.17 B		1.01	1.24	0.437	0.910	0.019	0.043	0.657	0.762	2.60	0.330B	29
30	1.05 B		0.966	1.05	0.330	1.09	0.272	0.038	0.736	0.734	5.74	0.310B	30
31	0.940B		0.870		0.272		2.33	0.037		0.730		0.290B	31
TOTAL	16.115	12.547	75.064	61.604	63.985	15.355	7.792	5.137	17.109	51.834	87.473	25.565	TOTAL
MEAN	0.520	0.448	2.42	2.05	2.06	0.512	0.251	0.166	0.570	1.67	2.92	0.825	MEAN
MAX	1.27	0.879	11.5	2.89	15.4	2.94	2.33	1.35	3.38	4.43	9.60	3.28	MAX
MIN	0.080	0.225	0.120	0.964	0.272	0.084	0.019	0.037	0.007	0.730	0.583	0.290	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.20
MAXIMUM DAILY, 15.4 ON MAY 19
MINIMUM DAILY, 0.007 ON SEP 09
MAXIMUM INSTANTANEOUS,
17.3 AT 05:28 EST ON MAY 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 15 44 N
LONG 079 23 43 W
DRAINAGE AREA, 70.4 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 390	JUL	673
FEB	1 080	AUG	444
MAR	6 490	SEP	1 480
APR	5 320	OCT	4 480
MAY	5 530	NOV	7 560
JUN	1 330	DEC	2 210

TOTAL DISCHARGE, 38 000 dam³

LAC LA CROIX AT CAMPBELL'S CAMP - STATION NO. 05PA011

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	360.424	360.400	360.375	360.509E	361.317	361.926	361.751	361.466	360.851	360.518	360.494	360.539	1
2	360.421	360.399	360.371	360.515E	361.409	361.906	361.767	361.438	360.842	360.519	360.486	360.535A	2
3	360.421	360.401	360.369	360.520E	361.490	361.875	361.787	361.422	360.827	360.542	360.484	360.534	3
4	360.416	360.401	360.369	360.526E	361.563	361.857	361.786	361.408	360.809	360.535	360.489	360.534A	4
5	360.413	360.398	360.365	360.538A	361.629	361.837	361.798	361.385	360.796	360.541	360.493	360.539	5
6	360.409	360.397	360.366	360.545	361.690	361.803	361.803	361.363	360.784	360.534	360.486	360.540	6
7	360.409	360.396	360.363	360.550	361.763	361.790	361.820	361.340	360.768	360.530	360.488	360.541	7
8	360.412	360.395	360.360	360.554	361.813	361.768	361.823	361.315	360.749	360.528	360.491	360.541	8
9	360.409	360.396	360.358	360.564	361.868	361.743	361.821	361.288	360.734	360.521	360.482	360.541	9
10	360.407	360.391	360.358	360.571	361.918	361.730	361.826	361.261	360.719	360.515	360.478	360.540	10
11	360.406	360.391	360.360	360.575	361.967	361.707	361.825	361.238	360.712	360.505	360.481	360.540	11
12	360.407	360.392	360.377	360.578	362.010	361.672	361.819	361.215	360.727	360.501	360.484	360.544	12
13	360.408	360.385	360.387	360.582	362.052	361.647	361.809	361.190	360.709	360.497	360.490	360.545	13
14	360.408	360.384	360.391	360.589	362.098	361.626	361.800	361.162	360.691	360.490	360.490	360.545	14
15	360.405	360.384	360.410	360.595	362.128	361.610	361.781	361.147	360.681	360.481	360.491	360.546	15
16	360.404	360.387	360.427	360.601	362.153	361.593	361.765	361.125	360.673	360.482	360.495	360.546	16
17	360.405	360.385	360.438	360.607	362.163	361.583	361.759	361.111	360.662	360.490	360.500	360.546	17
18	360.404	360.388	360.441	360.612	362.177	361.567	361.741	361.095	360.648	360.500	360.500	360.545A	18
19	360.404	360.385	360.449	360.621	362.194	361.569	361.731	361.073	360.631	360.505	360.501	360.549E	19
20	360.402	360.387	360.453	360.629	362.195	361.587	361.715	361.049	360.626	360.497	360.508	360.552E	20
21	360.403	360.385	360.456	360.641	362.191	361.593	361.697	361.030	360.608	360.492	360.509	360.557A	21
22	360.402	360.382	360.456	360.655	362.181	361.604	361.681	361.012	360.602	360.495	360.498	360.565	22
23	360.403	360.381	360.463	360.690	362.170	361.616	361.664	360.997	360.591	360.489	360.493	360.569	23
24	360.404	360.377	360.466	360.725	362.157	361.629	361.645	360.985	360.583	360.490	360.509	360.570	24
25	360.401	360.374	360.470	360.762	362.137	361.645	361.626	360.970	360.573	360.492	360.507	360.569	25
26	360.402	360.377	360.475	360.821	362.114	361.665	361.606	360.957	360.564	360.491	360.514	360.568	26
27	360.402	360.378	360.483A	360.903	362.090	361.682	361.584	360.938	360.551	360.479	360.525	360.567	27
28	360.403	360.377	360.488E	361.003	362.061	361.701	361.562	360.918	360.544	360.489	360.530	360.567	28
29	360.403		360.494E	361.117	362.029	361.719	361.539	360.904	360.539	360.491	360.535	360.567	29
30	360.397		360.499E	361.225	361.995	361.735	361.515	360.899	360.534	360.492	360.541	360.567	30
31	360.398		360.504E		361.962		361.488	360.875		360.494		360.569	31
MEAN	360.407	360.388	360.421	360.664	361.958	361.699	361.720	361.147	360.678	360.504	360.499	360.551	MEAN
MAX	360.424	360.401	360.504	361.225	362.195	361.926	361.826	361.466	360.851	360.542	360.541	360.570	MAX
MIN	360.397	360.374	360.358	360.509	361.317	361.587	361.488	360.875	360.534	360.479	360.478	360.534	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 360.890
MAXIMUM DAILY, 362.195 ON MAY 20
MINIMUM DAILY, 360.358 ON MAR 09
MAXIMUM INSTANTANEOUS,
362.199 AT 14:07 CST ON MAY 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 21 20 N
LONG 092 12 50 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA,
13 400 km²

WATER LEVELS ARE REFERRED TO UNITED STATES AND CANADA BOUNDARY SURVEY DATUM

LAC SEUL AT GOLDPINES - STATION NO. 05QB003

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	355.498	355.057	354.615	354.373	354.641	355.449	356.388	356.736	356.494	356.170	356.005	355.752	1
2	355.477	355.047	354.582	354.378	354.674	355.504	356.394	356.731	356.531	356.231	355.958	355.747	2
3	355.464	355.037	354.580	354.385	354.703	355.509	356.462	356.704	356.511	356.183	355.906	355.740	3
4	355.447	355.026	354.568	354.359	354.723	355.585	356.433A	356.655	356.464	356.097	355.954	355.738	4
5	355.433	355.000	354.554	354.359	354.742	355.645	356.461E	356.687	356.475	356.135	355.991	355.731	5
6	355.424	354.994	354.543	354.355	354.766	355.611	356.491E	356.701	356.441	356.120	355.915	355.717	6
7	355.406	354.976	354.530	354.367	354.828	355.681	356.519E	356.693	356.458	356.136	355.951	355.710	7
8	355.397	354.960	354.515	354.360	354.852	355.728	356.548E	356.671	356.413	356.140	355.972	355.708	8
9	355.383	354.941	354.500	354.356	354.862	355.737	356.572E	356.645	356.390	356.151	355.898	355.685	9
10	355.382	354.925	354.477	354.351	354.886	355.787	356.606E	356.663	356.385	356.171	355.854	355.676	10
11	355.348	354.912	354.464	354.354	354.909	355.852	356.634E	356.653	356.393	356.107	355.817	355.666	11
12	355.343	354.904	354.459	354.362	354.935	355.846	356.663	356.645	356.413	356.112	355.862	355.656	12
13	355.337	354.869	354.456	354.360	354.979	355.850	356.663	356.644	356.393	356.145	355.949	355.652	13
14	355.322	354.867	354.437	354.367	355.004	355.850	356.689	356.586	356.351	356.107	355.914	355.649	14
15	355.302	354.846	354.461	354.372	355.041	355.917	356.697	356.625	356.308	356.062	355.898	355.636	15
16	355.290	354.817	354.468	354.355	355.084	355.938	356.697	356.633	356.353	356.084	355.882	355.630	16
17	355.268	354.807	354.435	354.374	355.045	355.964	356.697	356.638	356.366	356.078	355.902	355.601	17
18	355.255	354.790	354.434	354.380	355.072	356.002	356.680	356.664	356.338	356.062	355.874	355.591	18
19	355.248	354.771	354.442	354.383	355.152	356.061	356.694	356.650	356.304	356.134	355.889	355.579	19
20	355.231	354.766	354.428	354.391	355.173	356.099	356.706	356.635	356.340	356.070	355.896	355.565	20
21	355.229	354.742	354.425	354.413	355.213	356.101	356.705	356.628	356.318	356.027	355.868	355.556	21
22	355.206	354.715	354.401	354.433	355.247	356.139	356.714	356.632	356.267	356.070	355.788	355.558	22
23	355.198	354.698	354.400	354.459	355.265	356.178	356.716	356.643	356.262	356.032	355.729	355.552	23
24	355.183	354.680	354.399	354.475	355.288	356.204	356.727	356.628	356.270	356.041	355.802	355.538	24
25	355.172	354.675	354.382	354.505	355.311	356.243	356.734	356.625	356.239	356.065	355.774	355.523	25
26	355.168	354.663	354.390	354.519	355.331	356.278	356.752	356.589	356.222	356.053	355.808	355.518	26
27	355.136	354.636	354.387	354.538	355.343	356.319	356.771	356.585	356.195	355.936	355.795	355.520	27
28	355.125	354.634	354.386	354.580	355.385	356.353	356.758	356.542	356.205	356.020	355.785	355.500	28
29	355.114		354.387	354.612	355.393	356.337	356.693	356.560	356.219	356.007	355.790	355.478	29
30	355.080		354.392	354.638	355.406	356.344	356.717	356.559	356.217	356.006	355.780	355.478	30
31	355.076		354.384		355.424		356.705	356.540		356.017		355.468	31
MEAN	355.288	354.848	354.461	354.417	355.054	355.937	356.635	356.638	356.351	356.090	355.874	355.617	MEAN
MAX	355.498	355.057	354.615	354.638	355.424	356.353	356.771	356.736	356.531	356.231	356.005	355.752	MAX
MIN	355.076	354.634	354.382	354.351	354.641	355.449	356.388	356.540	356.195	355.936	355.729	355.468	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 355.607
MAXIMUM DAILY, 356.771 ON JUL 27
MINIMUM DAILY, 354.351 ON APR 10
MAXIMUM INSTANTANEOUS,
356.819 AT 15:49 CST ON JUL 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 38 20 N
LONG 093 10 30 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1929

WATER LEVELS ARE REFERRED TO LAC SEUL DATUM
APPLY .201 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ.)

LAC SEUL AT HUDSON - STATION NO. 05QB002

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	355.492	355.084	354.656	354.416	354.677	355.557	356.501	356.787	356.585	356.225	355.989	355.765	1
2	355.476	355.068	354.643	354.416	354.698	355.604	356.513	356.766	356.559	356.207	355.998	355.759	2
3	355.473	355.054	354.635	354.404	354.719	355.701	356.529	356.774	356.529	356.216	356.009	355.749	3
4	355.454A	355.042	354.616	354.402	354.743	355.727	356.544	356.792	356.546	356.230	355.998	355.737	4
5	355.442E	355.030	354.595	354.400	354.769	355.733	356.559	356.786	356.531	356.234	355.966	355.720	5
6	355.435A	355.013	354.576	354.391	354.790	355.770	356.568	356.765	356.524	356.215	355.980	355.719	6
7	355.417A	354.992	354.558	354.385	354.828	355.796	356.610	356.749	356.466	356.194	355.976	355.704	7
8	355.409A	354.984	354.548	354.385	354.864	355.827	356.683	356.742	356.434	356.178	355.941	355.694	8
9	355.407A	354.969	354.533	354.386	354.905	355.866	356.718	356.744	356.431	356.159	355.966	355.685	9
10	355.396	354.959	354.518	354.385	354.939	355.893	356.735	356.734	356.424	356.133	355.991	355.681	10
11	355.393	354.940	354.506	354.385	354.970	355.908	356.748	356.718	356.397	356.131	355.990	355.671	11
12	355.372	354.918	354.497	354.384	355.001	355.939	356.762	356.709	356.401	356.133	355.972	355.667	12
13	355.352	354.903	354.486	354.385	355.032	355.971	356.781	356.694	356.386	356.103	355.919	355.659	13
14	355.337	354.880	354.480	354.391	355.061	356.010	356.795	356.702	356.398	356.115	355.897	355.646	14
15	355.325	354.864	354.486	354.394	355.091	356.029	356.804	356.688	356.392	356.125	355.901	355.639	15
16	355.309	354.853	354.490	354.394	355.124	356.045	356.820	356.675	356.375	356.115	355.899	355.625	16
17	355.298	354.828	354.487	354.394	355.168	356.084	356.825A	356.689	356.348	356.117	355.881	355.617	17
18	355.282	354.808	354.482	354.390	355.220	356.133	356.830A	356.677	356.338	356.117	355.872	355.612	18
19	355.267	354.792	354.470	354.390	355.242	356.166	356.831	356.663	356.353	356.081	355.871	355.601	19
20	355.258	354.776	354.458	354.404	355.268	356.199	356.834	356.667	356.334	356.078	355.854	355.598	20
21	355.240	354.760	354.455	354.413	355.292	356.243	356.823	356.667	356.322	356.096	355.856	355.593	21
22	355.227	354.750	354.446	354.434	355.325	356.279	356.815	356.662	356.339	356.065	355.868	355.586	22
23	355.216	354.738	354.438	354.460	355.357	356.298	356.811	356.653	356.314	356.070	355.890	355.571	23
24	355.206	354.724	354.425	354.481	355.384	356.322	356.803	356.657	356.284	356.059	355.864	355.561	24
25	355.191	354.715	354.417	354.514	355.411	356.352	356.797	356.655	356.278	356.042	355.859	355.548	25
26	355.170	354.704	354.415	354.537	355.439	356.395	356.792	356.651	356.266	356.030	355.827	355.532	26
27	355.154	354.695	354.414	354.572	355.463	356.418	356.786	356.638	356.264	356.073	355.814	355.519	27
28	355.143	354.682	354.413	354.603	355.489	356.444	356.786	356.641	356.248	356.038	355.802	355.510	28
29	355.123		354.413	354.634	355.503	356.467	356.809	356.620	356.231	356.011	355.789	355.507	29
30	355.111		354.406	354.654	355.521	356.496	356.807	356.601	356.220	356.005	355.773	355.496	30
31	355.095		354.402		355.538		356.800	356.582		355.992		355.482	31
MEAN	355.305	354.876	354.496	354.439	355.124	356.056	356.736	356.695	356.384	356.116	355.907	355.628	MEAN
MAX	355.492	355.084	354.656	354.654	355.538	356.496	356.834	356.792	356.585	356.234	356.009	355.765	MAX
MIN	355.095	354.682	354.402	354.384	354.677	355.557	356.501	356.582	356.220	355.992	355.773	355.482	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 355.653
MAXIMUM DAILY, 356.834 ON JUL 20
MINIMUM DAILY, 354.384 ON APR 12
MAXIMUM INSTANTANEOUS,
356.838 AT 00:00 CST ON JUL 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 05 30 N
LONG 092 10 00 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1929

WATER LEVELS ARE REFERRED TO LAC SEUL DATUM
APPLY .201 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ.)

LAC SEUL AT LAC SEUL - STATION NO. 05QB001

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	355.458	355.025	354.606	354.369	354.640	355.435	356.378	356.695	356.510	356.178	355.947	355.717	1
2	355.455	355.007	354.587	354.364	354.660	355.463	356.397	356.683	356.483	356.154	355.952	355.699	2
3	355.445	355.001	354.563	354.359	354.679	355.543	356.391	356.687	356.466	356.177	355.949	355.686	3
4	355.426	354.988	354.549	354.363	354.704	355.570	356.421	356.693	356.474	356.195	355.922	355.673	4
5	355.410	354.978	354.531	354.355	354.726	355.595	356.435	356.671	356.451	356.162	355.909	355.673	5
6	355.389	354.954	354.518	354.354	354.745	355.643	356.440	356.669	356.441	356.150	355.923	355.662	6
7	355.387	354.944A	354.500	354.349	354.766	355.664	356.483	356.665	356.407	356.134	355.904	355.654	7
8	355.379	354.930A	354.495	354.351	354.810	355.698	356.551	356.659	356.404	356.121	355.897	355.646	8
9	355.363	354.914	354.484	354.349	354.846	355.736	356.580	356.649	356.386	356.113	355.920	355.641	9
10	355.346	354.901	354.470	354.346	354.879	355.763	356.591	356.632	356.367	356.091	355.912	355.616	10
11	355.353	354.883	354.451	354.343	354.910	355.779	356.616	356.627	356.356	356.092	355.908	355.608	11
12	355.331	354.869	354.441	354.343	354.933	355.818	356.639	356.623	356.342	356.079	355.879	355.605	12
13	355.308	354.853	354.432	354.346	354.954	355.852	356.660	356.621	356.337	356.061	355.854	355.593	13
14	355.301	354.832	354.427	354.346	354.986	355.873	356.669	356.622	356.335	356.069	355.861	355.586	14
15	355.282	354.821	354.434	354.349	355.012	355.884	356.678	356.608	356.339	356.070	355.855	355.577	15
16	355.269	354.805	354.440	354.353	355.038	355.912	356.690	356.603	356.320	356.055	355.847	355.569	16
17	355.255	354.779	354.442	354.350	355.085	355.944	356.696	356.607	356.309	356.044	355.834	355.558	17
18	355.234	354.772	354.429	354.353	355.109	355.988	356.706	356.593	356.314	356.037	355.833	355.536	18
19	355.217	354.752	354.421	354.363	355.122	356.023	356.703	356.592	356.315	356.013	355.819	355.525	19
20	355.205	354.737	354.421	354.374	355.154	356.062	356.703	356.594	356.292	356.026	355.812	355.526	20
21	355.191	354.727	354.413	354.388	355.173	356.114	356.706	356.598	356.289	356.027	355.822	355.518	21
22	355.185	354.705	354.409	354.410	355.201	356.147	356.705	356.597	356.287	356.010	355.821	355.508	22
23	355.163	354.686	354.393	354.432	355.238	356.171	356.706	356.586	356.264	356.010	355.828	355.496	23
24	355.160	354.666	354.384	354.463	355.263	356.196	356.705	356.597	356.248	356.001	355.791	355.491E	24
25	355.145	354.644	354.381	354.486	355.287	356.232	356.705	356.584	356.230	355.989	355.787	355.478A	25
26	355.124	354.641	354.369	354.510	355.314	356.278	356.704	356.578	356.215	355.986	355.760	355.467E	26
27	355.119	354.620	354.368	354.527	355.336	356.300	356.698	356.561	356.204	355.998	355.753	355.459A	27
28	355.086	354.611	354.367	354.551	355.349	356.324	356.709	356.567	356.189	355.964	355.745	355.454	28
29	355.073		354.366	354.589	355.371	356.354	356.726	356.545	356.178	355.964	355.730	355.440	29
30	355.067		354.367	354.611	355.393	356.373	356.710	356.535	356.170	355.960	355.726	355.430E	30
31	355.043		354.372		355.417		356.707	356.520		355.951		355.421A	31
MEAN	355.264	354.823	354.446	354.402	355.035	355.924	356.620	356.615	356.331	356.061	355.850	355.565	MEAN
MAX	355.458	355.025	354.606	354.611	355.417	356.373	356.726	356.695	356.510	356.195	355.952	355.717	MAX
MIN	355.043	354.611	354.366	354.343	354.640	355.435	356.378	356.520	356.170	355.951	355.726	355.421	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 355.584
MAXIMUM DAILY, 356.726 ON JUL 29
MINIMUM DAILY, 354.343 ON APR 11
MAXIMUM INSTANTANEOUS;
356.737 AT 04:20 CST ON JUL 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 19 07 N
LONG 092 16 20 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1929

WATER LEVELS ARE REFERRED TO LAC SEUL DATUM
APPLY .201 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ.)

LADY EVELYN RIVER AT LADY EVELYN LAKE - STATION NO. 02JD011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	35.9	38.7	0	0	0	56.2	17.4	17.8	10.3	0.600	9.70	45.9	1
2	35.8	38.3	0	0	0	54.5	17.8	17.8	10.0	0.800	10.3	45.2	2
3	35.6	37.9	0	0	0	52.3	18.6	17.8	9.00	0.800	10.3	44.0	3
4	35.4	37.5	0	0	0	50.1	18.6	17.4	9.30	0.800	10.3	43.3	4
5	35.2	37.1	0	0	0	49.0	19.4	17.4	9.00	1.80	10.3	43.3	5
6	35.1	36.8	0	0	0	47.4	19.8	16.2	8.70	1.60	10.3	42.9	6
7	34.9	36.3	0	0	0	46.9	19.8	15.8	8.40	1.60	12.1	42.2	7
8	34.7	35.9	0	0	0	33.7	19.8	16.2	8.10	1.60	12.4	41.9	8
9	34.5	35.4	0	0	0	25.5	21.1	16.6	8.10	1.20	12.4	41.2	9
10	25.0	35.3	0	0	0	25.5	21.9	15.4	8.10	1.20	12.8	40.5	10
11	0	34.5	0	0	0	25.5	20.7	14.6	8.10	1.80	12.8	39.9	11
12	16.7	34.0	0	0	0	25.5	20.7	14.6	7.80	2.30	13.5	39.2	12
13	44.6	33.6	0	0	0	25.5	20.7	14.3	8.10	2.50	13.1	38.6	13
14	44.4	33.1	0	0	0	25.5	20.7	13.9	7.40	2.50	12.4	38.0	14
15	44.1	32.6	0	0	0	25.3	19.8	14.3	7.40	2.90	13.1	37.7	15
16	43.8	32.1	0	0	0	23.9	20.7	13.5	6.80	2.90	12.8	36.8	16
17	43.5	31.6	0	0	0.100	23.9	19.8	13.5	6.80	3.20	13.1	36.2	17
18	43.3	31.0	0	0	0	9.20	20.7	12.4	6.80	3.70	13.1	35.4	18
19	43.0	30.7	0	0	0	0	21.5	12.1	6.30	4.70	13.5	35.2	19
20	42.3	30.2	0	0	0.400	0	20.7	12.1	2.60	5.30	13.5	34.7	20
21	42.4	29.5	0	0	2.70	0	19.8	12.1	0	6.10	13.5	34.4	21
22	41.9	29.0	0	0	4.70	4.70	19.8	12.1	0	6.40	14.2	33.9	22
23	41.6	28.2	0	0	7.30	10.3	19.4	11.7	0	7.00	22.8	33.8	23
24	41.3	27.8	0	0	30.3	12.1	19.4	11.4	0.100	9.30	34.8	33.5	24
25	41.0	27.0	0	0	60.5	12.4	19.4	11.4	0.100	33.0	34.1	33.2	25
26	40.7	20.6	0	0	62.3	13.2	18.6	11.4	0.100	49.2	34.1	33.1	26
27	40.4	5.60	0	0	60.2	14.6	18.6	11.4	0.300	30.8	33.3	32.8	27
28	40.2	0	0	0	59.6	14.6	18.2	11.4	0.400	23.8	33.3	32.5	28
29	39.7		0	0	57.9	15.4	17.8	11.4	0.400	8.70	40.4	32.3	29
30	39.3		0	0	56.2	16.6	17.4	10.3	0.100	9.40	45.5	32.2	30
31	39.1		0		56.2		17.8	10.3		9.70		32.0	31
TOTAL	1 155.6	860.30	0	0	458.400	739.30	606.4	428.6	158.600	237.200	547.80	1 165.8	TOTAL
MEAN	37.3	30.7	0	0	14.8	24.6	19.6	13.8	5.29	7.65	18.3	37.6	MEAN
MAX	44.8	38.7	0	0	62.3	56.2	21.9	17.8	10.3	49.2	45.5	45.9	MAX
MIN	0	0	0	0	0	0	17.4	10.3	0	0.600	9.70	32.0	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.4
MAXIMUM DAILY, 62.3 ON MAY 26
MINIMUM DAILY, 0 ON JAN 11

TYPE OF GAUGE - MANUAL
LOCATION - LAT 47 27 38 N
LONG 079 59 43 W
DRAINAGE AREA, 1 370 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	99 800	JUL	52 400
FEB	74 300	AUG	37 000
MAR	0	SEP	13 700
APR	0	OCT	20 500
MAY	39 600	NOV	47 300
JUN	63 900	DEC	101 000

TOTAL DISCHARGE, 550 000 dam³

DATA CONTRIBUTED BY -
ONTARIO HYDRO

LAKE 114 INFLOW NEAR KENORA - STATION NO. 05PD032

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0E	---	---	0.002A	0.001	0	0	0	0	0	---	---	1
2	---	---	---	0.001	0	0	0	0	0	0	---	---	2
3	---	---	---	0	0	0.001	0	0	0	0	---	---	3
4	---	---	---	0	0	0	0	0	0	0	---	---	4
5	---	---	---	0	0	0	0	0	0	0	---	---	5
6	---	---	---	0	0	0	0	0	0	0	---	---	6
7	---	---	---	0	0	0	0.001	0	0	0	---	---	7
8	---	---	---	0	0	0	0.003	0	0	0	---	---	8
9	---	---	---	0	0	0	0	0	0	0	---	---	9
10	---	---	---	0	0	0	0	0	0	0	---	---	10
11	---	---	---	0	0	0	0	0	0	0	---	0A	11
12	---	0A	---	0	0	0	0	0	0	0	---	---	12
13	---	---	---	0	0	0	0	0	0	0	---	---	13
14	---	---	---	0	0	0	0	0	0	0	---	---	14
15	---	---	---	0	0	0	0	0	0	0	0A	---	15
16	---	---	---	0	0	0	0	0	0	0	---	---	16
17	0A	---	---	0	0	0.005	0	0	0	0	---	---	17
18	---	---	---	0	0	0.002	0	0	0	0	---	---	18
19	---	---	---	0.001	0	0.001	0	0	0	0	---	---	19
20	---	---	---	0.001	0	0.003	0	0	0	0	---	---	20
21	---	---	---	0	0	0.005	0	0	0	0	---	---	21
22	---	---	---	0	0	0.003	0	0	0	0	---	---	22
23	---	---	---	0	0	0.001	0	0	0	0	---	---	23
24	---	---	---	0	0	0	0	0	0	0	---	---	24
25	---	---	---	0	0	0	0	0	0	0	---	---	25
26	---	---	---	0	0	0	0	0	0	0	---	---	26
27	---	---	---	0	0	0	0	0	0	0	---	---	27
28	---	---	0 A	0.001	0	0	0	0	0	0	---	---	28
29	---		---	0.001	0	0	0	0	0	0A	---	---	29
30	---		---	0.001	0	0	0	0	0	0E	---	---	30
31	---		0.007A		0		0	0		0E		0E	31
TOTAL	---	---	---	0.008	0.001	0.021	0.004	0	0	0	---	---	TOTAL
MEAN	---	---	---	0	0	0.001	0	0	0	0	---	---	MEAN
MAX	---	---	---	0.002	0.001	0.005	0.003	0	0	0	---	---	MAX
MIN	---	---	---	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.005 ON JUN 17
MINIMUM DAILY, 0 ON APR 03
MAXIMUM INSTANTANEOUS,
0.017 ON JUN 21

DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

SUMMARY FOR THE MONTHS APR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 30 N
LONG 093 45 05 W
DRAINAGE AREA, 0.06 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0.346
FEB	---	AUG	0
MAR	---	SEP	0
APR	0.691	OCT	0
MAY	0.086	NOV	---
JUN	1.81	DEC	---

TOTAL DISCHARGE, 2.93 dam³

LAKE 114 NEAR KENORA - STATION NO. 05PD027

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	26.513E	26.650	26.516	26.589	26.547	26.463	26.426	---	---	1
2	---	---	---	26.513E	26.649	26.527	26.581	26.542	26.461	26.425	---	---	2
3	---	---	---	26.513A	26.644	26.544	26.576	26.539	26.458	26.428	---	---	3
4	---	---	---	26.531	26.640	26.544	26.573	26.534	26.462	26.426	---	---	4
5	---	---	---	26.537E	26.635	26.546	26.576	26.529	26.458	26.425	---	---	5
6	---	---	---	26.543E	26.631	26.551	26.570	26.524	26.455	26.425	---	---	6
7	---	---	---	26.549E	26.625	26.548	26.581	26.520	26.449	26.421	---	---	7
8	---	---	---	26.556E	26.622	26.553	26.603	26.514	26.445	26.421	---	---	8
9	---	---	---	26.562E	26.618	26.557	26.605	26.516	26.442	26.420	---	---	9
10	---	---	---	26.568E	26.611	26.556	26.598	26.509	26.439	26.419	---	---	10
11	---	---	---	26.574E	26.605	26.552	26.591	26.504	26.435	26.416	---	---	11
12	---	---	---	26.581A	26.598	26.556	26.584	26.501	26.434	26.414A	---	---	12
13	---	---	---	26.566E	26.598	26.553	26.579	26.501	26.431	26.413E	---	---	13
14	---	---	---	26.573E	26.598	26.551	26.572	26.496	26.431	26.413E	---	---	14
15	---	---	---	26.572E	26.593	26.545	26.566	26.492	26.427	26.412E	---	---	15
16	---	---	---	26.579E	26.590	26.543	26.560	26.493	26.424	26.412A	---	---	16
17	---	---	---	26.589	26.588	26.565	26.560	26.496	26.422	26.411	---	---	17
18	---	---	---	26.597	26.584	26.602	26.561	26.492	26.426	26.408	---	---	18
19	---	---	---	26.600	26.580	26.604	26.555	26.488	26.430	26.407	---	---	19
20	---	---	---	26.606	26.574	26.618	26.550	26.484	26.428	26.408	---	---	20
21	---	---	---	26.612	26.567	26.641	26.548	26.481	26.433	26.410	---	---	21
22	---	---	---	26.617	26.565	26.674	26.545	26.479	26.438	26.410	---	---	22
23	---	---	---	26.621	26.562	26.666	26.542	26.479	26.437	26.408	---	---	23
24	---	---	---	26.622	26.559	26.654	26.537	26.481	26.437	26.408	---	---	24
25	---	---	---	26.625	26.553	26.644	26.533	26.480	26.433	26.408	---	---	25
26	---	---	---	26.630	26.548	26.637	26.532	26.475	26.432	26.407	---	---	26
27	---	---	---	26.634	26.542	26.624	26.531	26.476	26.430	26.412	---	---	27
28	---	---	---	26.638	26.535	26.616	26.561	26.480	26.429	26.412	---	---	28
29	---		---	26.642	26.529	26.607	26.563	26.475	26.429	26.412A	---	---	29
30	---		---	26.650	26.525	26.598	26.556	26.471	26.427	26.412E	---	---	30
31	---		---		26.519		26.551	26.468		26.412E		---	31
MEAN	---	---	---	26.584	26.588	26.583	26.565	26.499	26.438	26.415	---	---	MEAN
MAX	---	---	---	26.650	26.650	26.674	26.605	26.547	26.463	26.428	---	---	MAX
MIN	---	---	---	26.513	26.519	26.516	26.531	26.468	26.422	26.407	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 26.674 ON JUN 22
MINIMUM DAILY, 26.407 ON OCT 19
MAXIMUM INSTANTANEOUS,
26.678 AT 10:00 CST ON JUN 22

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 10 N
LONG 093 45 30 W
DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA,
0.58 km²

LAKE 114 OUTLET NEAR KENORA - STATION NO. 05PD014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0E	---	---	0E	0	0	0.004A	0	0	0	---	---	1
2	---	---	---	0E	0.001	0	0.004E	0	0	0	---	---	2
3	---	---	---	0A	0.002	0	0.003E	0	0	0	---	---	3
4	---	---	---	0E	0.003	0	0.003E	0	0	0	---	---	4
5	---	---	---	0E	0.004	0	0.002E	0	0	0	---	---	5
6	---	---	---	0E	0.005	0	0.002E	0	0	0	---	---	6
7	---	---	---	0E	0.005	0	0.006E	0	0	0	---	---	7
8	---	---	---	0E	0.005	0	0.011E	0	0	0	---	---	8
9	---	---	---	0E	0.005	0	0.007A	0	0	0	---	---	9
10	---	---	---	0E	0.005	0	0.006E	0	0	0	---	---	10
11	---	---	---	0	0.004	0	0.005A	0	0	0	---	0A	11
12	---	0A	---	0	0.003	0	0.003	0	0	0	---	---	12
13	---	---	---	0	0.003	0	0.002	0	0	0	---	---	13
14	---	---	---	0	0.004	0	0.001	0	0	0	---	---	14
15	0A	---	---	0	0.003	0	0.001	0	0	0	0A	---	15
16	---	---	---	0	0.002	0	0.001	0	0	0	---	---	16
17	---	---	---	0	0.002	0.001	0.001	0	0	0	---	---	17
18	---	---	---	0	0.002	0.010	0.001	0	0	0	---	---	18
19	---	---	---	0	0.002	0.010	0.001	0	0	0	---	---	19
20	---	---	---	0	0.001	0.012	0	0	0	0	---	---	20
21	---	---	---	0	0.001	0.021	0	0	0	0	---	---	21
22	---	---	---	0	0 A	0.033	0	0	0	0	---	---	22
23	---	---	---	0	0 E	0.029	0	0	0	0	---	---	23
24	---	---	---	0	0 A	0.022	0	0	0	0	---	---	24
25	---	---	---	0	0	0.017	0	0	0	0	---	---	25
26	---	---	---	0	0	0.013	0	0	0	0	---	---	26
27	---	---	---	0	0	0.010	0	0	0	0	---	---	27
28	---	---	0A	0	0	0.007	0	0	0	0	---	---	28
29	---		---	0	0	0.007	0	0	0	0	---	---	29
30	---		---	0	0	0.005	0	0	0	0	---	---	30
31	---		---		0		0	0		0		0E	31
TOTAL	---	---	---	0	0.062	0.197	0.064	0	0	0	---	---	TOTAL
MEAN	---	---	---	0	0.002	0.007	0.002	0	0	0	---	---	MEAN
MAX	---	---	---	0	0.005	0.033	0.011	0	0	0	---	---	MAX
MIN	---	---	---	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.002
MAXIMUM DAILY, 0.033 ON JUN 22
MINIMUM DAILY, 0E ON APR 01
MAXIMUM INSTANTANEOUS,
0.034 ON JUN 22

DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 10 N
LONG 093 45 45 W
DRAINAGE AREA, 0.58 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	5.53
FEB	---	AUG	0
MAR	---	SEP	0
APR	0	OCT	0
MAY	5.36	NOV	---
JUN	17.0	DEC	---

TOTAL DISCHARGE, 27.9 dam³

LAKE 223 NEAR KENORA - STATION NO. 05QD021

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	29.166E	29.204	29.193	29.334	29.330	29.257	29.203	---	---	1
2	---	---	---	29.166E	29.202	29.177	29.331	29.327	29.254	29.199	---	---	2
3	---	---	---	29.166E	29.199	29.211	29.335	29.326	29.251	29.200	---	---	3
4	---	---	---	29.166A	29.199	29.207	29.333	29.324	29.260	29.196	---	---	4
5	---	---	---	29.165	29.198	29.212	29.335	29.322	29.255	29.190	---	---	5
6	---	---	---	29.165	29.196	29.222	29.335E	29.317	29.253	29.189	---	---	6
7	---	---	---	29.167	29.197	29.221	29.337E	29.314	29.248	29.187	---	---	7
8	---	---	---	29.167	29.198	29.226	29.343E	29.310	29.242	29.184	---	---	8
9	---	---	---	29.167	29.196	29.236	29.349E	29.311	29.238	29.182	---	---	9
10	---	---	---	29.167	29.193	29.237	29.355E	29.307	29.234	29.180	---	---	10
11	---	---	---	29.167	29.191	29.237	29.361E	29.300	29.231	29.177	---	---	11
12	---	---	---	29.168	29.189	29.247	29.366A	29.295	29.228	29.174	---	---	12
13	---	---	---	29.168	29.191	29.245	29.366	29.288	29.224	29.173	---	---	13
14	---	---	---	29.171	29.197	29.246	29.362	29.284	29.221	29.176	---	---	14
15	---	---	---	29.174	29.196	29.243	29.360	29.280	29.219	29.175	---	---	15
16	---	---	---	29.176	29.195	29.241	29.359	29.280	29.214	29.172	---	---	16
17	---	---	---	29.177	29.198	29.263	29.357	29.286	29.211	29.171	---	---	17
18	---	---	---	29.175	29.196	29.287	29.356	29.282	29.214	29.168	---	---	18
19	---	---	---	29.177	29.195	29.296	29.352	29.277	29.214	29.165	---	---	19
20	---	---	---	29.181	29.192	29.315	29.349	29.274	29.212	29.168	---	---	20
21	---	---	---	29.184	29.191	29.337	29.348	29.270	29.217	29.169	---	---	21
22	---	---	---	29.186	29.190	29.358	29.348	29.268	29.221	29.168	---	---	22
23	---	---	---	29.191	29.191	29.361	29.347	29.267	29.217	29.169	---	---	23
24	---	---	---	29.195	29.190	29.357	29.343	29.268	29.214	29.172	---	---	24
25	---	---	---	29.200	29.189	29.353	29.340	29.267	29.214	29.171	---	---	25
26	---	---	---	29.202	29.187	29.354	29.339	29.264	29.211	29.169	---	---	26
27	---	---	---	29.204	29.186	29.348	29.337	29.265	29.209	29.174	---	---	27
28	---	---	---	29.204	29.183	29.345	29.358	29.269	29.207	29.175	---	---	28
29	---		---	29.206	29.179	29.344	29.359	29.265	29.205	29.173A	---	---	29
30	---		---	29.206	29.176	29.338	29.354	29.262	29.203	29.172E	---	---	30
31	---		---		29.175		29.345	29.259		29.171E		---	31
MEAN	---	---	---	29.179	29.192	29.275	29.348	29.289	29.227	29.178	---	---	MEAN
MAX	---	---	---	29.206	29.204	29.361	29.366	29.330	29.260	29.203	---	---	MAX
MIN	---	---	---	29.165	29.175	29.177	29.331	29.259	29.203	29.165	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 29.366A ON JUL 12
MINIMUM DAILY, 29.165 ON APR 05
MAXIMUM INSTANTANEOUS,
29.368 AT 15:25 CST ON JUL 13

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 55 N
LONG 093 42 40 W
DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA,
2.6 km²

LAKE 223 OUTLET NEAR KENORA - STATION NO. 05QD017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0E	---	---	0 E	0.015	0	0.016	0.003	0	0	---	---	1
2	---	---	---	0 E	0.014	0.003	0.014	0.002	0	0	---	---	2
3	---	---	---	0 E	0.013	0.009	0.014	0.002	0	0	---	---	3
4	---	---	---	0 A	0.012	0.005	0.014	0.001	0.001	0	---	---	4
5	---	---	---	0.001	0.012	0.004	0.013	0.001	0	0	---	---	5
6	---	---	---	0.001	0.011	0.006	0.007	0.001	0	0	---	---	6
7	---	---	---	0.001	0.011	0.006	0.008	0	0	0	---	---	7
8	---	---	---	0.001	0.011	0.007	0.014	0	0	0	---	---	8
9	---	---	---	0.001	0.010	0.009	0.008	0	0	0	---	---	9
10	---	---	---	0.001	0.009	0.008	0.006	0	0	0	---	---	10
11	---	---	---	0.001	0.008	0.007	0.005	0	0	0	---	---	11
12	---	0A	0A	0.001	0.007	0.007	0.005	0	0	0	---	0A	12
13	---	---	---	0.001	0.008	0.007	0.005	0	0	0	---	---	13
14	---	---	---	0.001	0.008	0.007	0.004	0	0	0	---	---	14
15	0A	---	---	0.001	0.008	0.006	0.004	0	0	0	---	---	15
16	---	---	---	0.001	0.008	0.004	0.004	0	0	0	---	---	16
17	---	---	---	0.001	0.009	0.007	0.004	0	0	0	---	---	17
18	---	---	---	0.002	0.009	0.011	0.003	0	0	0	---	---	18
19	---	---	---	0.002	0.007	0.011	0.002	0	0	0	---	---	19
20	---	---	---	0.002	0.007	0.018	0.002	0	0	0	---	---	20
21	---	---	---	0.003	0.006	0.034	0.001	0	0	0	---	---	21
22	---	---	---	0.004	0.005	0.050	0.001	0	0	0	---	---	22
23	---	---	---	0.005	0.005	0.050	0.001	0	0	0	---	---	23
24	---	---	---	0.006	0.004	0.047	0.001	0	0	0	---	---	24
25	---	---	---	0.007	0.004	0.041	0.001	0	0	0	---	---	25
26	---	---	---	0.008	0.003	0.035	0.001	0	0	0	---	---	26
27	---	---	---	0.009	0.002	0.029	0.001	0	0	0	---	---	27
28	---	---	0A	0.010	0.002	0.024	0.002	0	0	0	---	---	28
29	---		---	0.014	0.001	0.022	0.001	0	0	0A	---	---	29
30	---		---	0.015	0.001	0.020	0.001	0	0	0E	---	---	30
31	---		---		0.001		0.041	0		0E		0E	31
TOTAL	---	---	---	0.100	0.231	0.494	0.204	0.010	0.001	0	---	---	TOTAL
MEAN	---	---	---	0.003	0.008	0.017	0.007	0	0	0	---	---	MEAN
MAX	---	---	---	0.015	0.015	0.050	0.041	0.003	0.001	0	---	---	MAX
MIN	---	---	---	0	0.001	0	0.001	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.005
MAXIMUM DAILY, 0.050 ON JUN 22
MINIMUM DAILY, 0E ON APR 01
MAXIMUM INSTANTANEOUS,
0.112 ON JUL 31

DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 56 N
LONG 093 42 50 W
DRAINAGE AREA, 2.6 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	17.6
FEB	---	AUG	0.864
MAR	---	SEP	0.086
APR	8.64	OCT	0
MAY	20.0	NOV	---
JUN	42.7	DEC	---

TOTAL DISCHARGE, 89.9 dam³

LAKE 224 OUTLET NEAR KENORA - STATION NO. 05QD018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0E	---	---	0E	0	0	0.001	0	0	0	---	---	1
2	---	---	---	0E	0	0	0.001	0	0	0	---	---	2
3	---	---	---	0E	0	0.001	0.001	0	0	0	---	---	3
4	---	---	---	0A	0	0	0	0	0	0	---	---	4
5	---	---	---	0	0	0	0	0	0	0	---	---	5
6	---	---	---	0	0	0	0	0	0	0	---	---	6
7	---	---	---	0	0	0	0.002	0	0	0	---	---	7
8	---	---	---	0	0	0	0.003	0	0	0	---	---	8
9	---	---	---	0	0	0	0.002	0	0	0	---	---	9
10	---	---	---	0	0	0	0.002	0	0	0	---	---	10
11	---	---	---	0A	0	0	0.001	0	0	0	---	---	11
12	---	0A	0A	0	0	0	0.001	0	0	0	---	0A	12
13	---	---	---	0	0.001	0	0.001	0	0	0	---	---	13
14	---	---	---	0	0.001	0	0.001	0	0	0	---	---	14
15	0A	---	---	0	0	0	0.001	0	0	0	---	---	15
16	---	---	---	0	0	0	0.001	0	0	0	---	---	16
17	---	---	---	0	0	0.002	0.001	0	0	0	---	---	17
18	---	---	---	0	0	0.001	0.001	0	0	0	---	---	18
19	---	---	---	0	0	0.001	0	0	0	0	---	---	19
20	---	---	---	0	0	0.002	0	0	0	0	---	---	20
21	---	---	---	0	0	0.003	0	0	0	0	---	---	21
22	---	---	---	0	0	0.002	0	0	0	0	---	---	22
23	---	---	---	0	0	0.002	0	0	0	0	---	---	23
24	---	---	---	0	0	0.001	0	0	0	0	---	---	24
25	---	---	---	0	0	0.001	0	0	0	0	---	---	25
26	---	---	---	0	0	0.001	0	0	0	0	---	---	26
27	---	---	---	0	0	0.001	0	0	0	0	---	---	27
28	---	---	0A	0	0	0.001	0.001	0	0	0	---	---	28
29	---		---	0	0	0.001	0	0	0	0A	---	---	29
30	---		---	0	0	0.001	0	0	0	0E	---	---	30
31	---		---		0		0	0		0E		0E	31
TOTAL	---	---	---	0	0.002	0.021	0.021	0	0	0	---	---	TOTAL
MEAN	---	---	---	0	0	0.001	0.001	0	0	0	---	---	MEAN
MAX	---	---	---	0	0.001	0.003	0.003	0	0	0	---	---	MAX
MIN	---	---	---	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.003 ON JUN 21
MINIMUM DAILY, 0E ON APR 01
MAXIMUM INSTANTANEOUS,
0.007 ON JUL 08

DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 33 N
LONG 093 42 40 W
DRAINAGE AREA, 0.97 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1.81
FEB	---	AUG	0
MAR	---	SEP	0
APR	0	OCT	0
MAY	0.173	NOV	---
JUN	1.81	DEC	---

TOTAL DISCHARGE, 3.79 dam³

LAKE 225 OUTLET NEAR KENORA - STATION NO. 05QD019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0E	---	---	0E	0	0	0 E	0	0	0	---	---
2	---	---	---	0E	0	0	0 E	0	0	0	---	---
3	---	---	---	0E	0	0	0 E	0	0	0	---	---
4	---	---	---	0A	0	0	0 A	0	0	0	---	---
5	---	---	---	0	0	0	0	0	0	0	---	---
6	---	---	---	0	0	0	0	0	0	0	---	---
7	---	---	---	0	0	0 E	0.001	0	0	0	---	---
8	---	---	---	0	0	0 E	0.001	0	0	0	---	---
9	---	---	---	0	0	0 E	0.001	0	0	0	---	---
10	---	---	---	0	0	0 E	0	0	0	0	---	---
11	---	---	---	0A	0	0 E	0	0	0	0	---	---
12	---	0A	0A	0	0	0 E	0	0	0	0	---	0A
13	---	---	---	0	0	0 E	0	0	0	0	---	---
14	---	---	---	0	0	0 E	0	0	0	0	---	---
15	0A	---	---	0	0	0 E	0	0	0	0	---	---
16	---	---	---	0	0	0 E	0	0	0	0	---	---
17	---	---	---	0	0	0.002E	0	0	0	0	---	---
18	---	---	---	0	0	0.002E	0	0	0	0	---	---
19	---	---	---	0	0	0.002E	0	0	0	0	---	---
20	---	---	---	0	0	0.002E	0	0	0	0	---	---
21	---	---	---	0	0	0.002E	0	0	0	0	---	---
22	---	---	---	0	0	0.001E	0	0	0	0	---	---
23	---	---	---	0	0	0.001E	0	0	0	0	---	---
24	---	---	---	0	0	0	0	0	0	0	---	---
25	---	---	---	0	0	0	0	0	0	0	---	---
26	---	---	---	0	0	0	0	0	0	0	---	---
27	---	---	---	0	0	0	0	0	0	0	---	---
28	---	---	0A	0	0	0	0	0	0	0	---	---
29	---		---	0	0	0	0	0	0	0A	---	---
30	---		---	0	0	0 E	0	0	0	0E	---	---
31	---		---		0		0	0		0E		0E
TOTAL	---	---	---	0	0	0.012	0.003	0	0	0	---	---
MEAN	---	---	---	0	0	0	0	0	0	0	---	---
MAX	---	---	---	0	0	0.002	0.001	0	0	0	---	---
MIN	---	---	---	0	0	0	0	0	0	0	---	---

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.002E ON JUN 17
MINIMUM DAILY, 0E ON APR 01
MAXIMUM INSTANTANEOUS,
0.002 ON JUL 08

DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 15 N
LONG 093 42 50 W
DRAINAGE AREA, 0.3 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.259
FEB	---	AUG	0
MAR	---	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	1.04	DEC	---

TOTAL DISCHARGE, 1.30 dam³

LAKE 226 OUTLET NEAR KENORA - STATION NO. 05QD015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0E	---	---	0.002E	0.010	0	0.001	0.001	0	0.010	---	---
2	---	---	---	0.002E	0.007	0	0.001	0.001	0	0.008	---	---
3	---	---	---	0.002E	0.002	0.001	0.001	0.001	0	0	---	---
4	---	---	---	0.002A	0.002	0.001	0.001	0.001	0	0	---	---
5	---	---	---	0.002A	0.001	0	0.001	0.001	0	0	---	---
6	---	---	---	0.002	0	0	0.001	0.001	0	0	---	---
7	---	---	---	0.002	0.002	0	0.002	0.001	0	0	---	---
8	---	---	---	0.002	0.001	0	0.005	0.001	0	0	---	---
9	---	---	---	0.002	0.005	0.001	0.005	0.001	0	0	---	---
10	---	---	---	0.002	0.003	0.001	0.004	0.001	0	0	---	---
11	---	---	---	0.002	0.001	0	0.003	0.001	0	0	---	---
12	---	---	---	0.002	0	0.001	0.002	0.001	0	0	---	0A
13	---	---	0 A	0.002	0.001	0.001	0.002	0	0	0	---	---
14	---	0A	---	0.002	0.001	0.001	0.001	0	0.001	0	---	---
15	0E	---	---	0.002	0.012	0	0.001	0	0	0	---	---
16	---	---	---	0.002	0.001	0	0.001	0	0.001	0	---	---
17	---	---	---	0.002	0	0.002	0.001	0	0.002	0	---	---
18	---	---	---	0.002	0	0.004	0.001	0	0.009	0	---	---
19	---	---	---	0.003	0	0.004	0.001	0	0	0	---	---
20	---	---	---	0.003	0	0.006	0.001	0	0	0	---	---
21	---	---	---	0.004	0	0.013	0.001	0.003	0	0	---	---
22	---	---	---	0.003	0	0.027	0.001	0.001	0	0	---	---
23	---	---	---	0.003	0	0.019	0.001	0	0	0	---	---
24	---	---	---	0.004	0	0.005	0.001	0	0	0	---	---
25	---	---	---	0.004	0	0.003	0.001	0	0.003	0	---	---
26	---	---	---	0.004	0	0.002	0.001	0	0.007	0	---	---
27	---	---	---	0.004	0	0.002	0.001	0	0.014	0.001	---	---
28	---	---	0.003A	0.007	0	0.001	0.002	0	0.012	0.001	---	---
29	---		0.002E	0.008	0	0.001	0.001	0	0.009	0.001A	---	---
30	---		0.002E	0.010	0	0.001	0.001	0	0	0.001E	---	---
31	---		0.002E		0		0.001	0		0.001E		0E
TOTAL	---	---	---	0.093	0.049	0.097	0.048	0.016	0.058	0.023	---	---
MEAN	---	---	---	0.003	0.002	0.003	0.002	0.001	0.002	0.001	---	---
MAX	---	---	---	0.010	0.012	0.027	0.005	0.003	0.014	0.010	---	---
MIN	---	---	---	0.002	0	0	0.001	0	0	0	---	---

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.002
MAXIMUM DAILY, 0.027 ON JUN 22
MINIMUM DAILY, 0 ON MAY 06
MAXIMUM INSTANTANEOUS,
0.029 ON JUN 22

DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 20 N
LONG 093 44 15 W
DRAINAGE AREA, 0.97 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4.15
FEB	---	AUG	1.30
MAR	---	SEP	5.01
APR	8.04	OCT	1.99
MAY	4.23	NOV	---
JUN	8.38	DEC	---

TOTAL DISCHARGE, 33.2 dam³

LAKE 227 NEAR KENORA - STATION NO. 05QD009

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	28.917E	28.992	28.904	28.966	28.887	28.806	28.774	---	---	1
2	---	---	---	28.917E	28.980	28.919	28.959	28.883	28.805	28.772	---	---	2
3	---	---	---	28.917E	28.976	28.951	28.955	28.881	28.801	28.776	---	---	3
4	---	---	---	28.917A	28.973	28.958	28.953	28.875	28.809	28.774	---	---	4
5	---	---	---	28.914	28.970	28.962	28.950	28.871	28.806	28.771	---	---	5
6	---	---	---	28.909	28.965	28.969	28.944	28.866	28.803	28.771	---	---	6
7	---	---	---	28.903	28.960	28.967	28.952	28.861	28.798	28.769	---	---	7
8	---	---	---	28.902	28.962	28.975	28.967	28.859	28.795	28.767	---	---	8
9	---	---	---	28.907	28.960	28.985	28.967	28.856	28.790	28.764	---	---	9
10	---	---	---	28.909	28.957	28.983	28.960	28.852	28.788	28.763	---	---	10
11	---	---	---	28.908	28.954	28.976	28.955	28.846	28.785	28.761	---	---	11
12	---	---	---	28.910	28.950	28.988	28.947	28.842	28.781	28.760	---	---	12
13	---	---	---	28.912	28.951	28.988	28.941	28.839	28.779	28.760	---	---	13
14	---	---	---	28.915	28.955	28.986	28.935	28.834	28.777	28.764	---	---	14
15	---	---	---	28.919	28.954	28.979	28.930	28.830	28.775	28.763	---	---	15
16	---	---	---	28.922	28.953	28.973	28.924	28.829	28.771	28.763	---	---	16
17	---	---	---	28.923	28.955	28.998	28.923	28.832	28.767	28.761	---	---	17
18	---	---	---	28.922	28.954	29.045	28.921	28.830	28.770	28.759	---	---	18
19	---	---	---	28.923	28.949	29.040	28.916	28.827	28.771	28.757	---	---	19
20	---	---	---	28.924	28.946	29.043	28.912	28.825	28.768	28.760	---	---	20
21	---	---	---	28.928	28.942	29.060	28.911	28.823	28.775	28.762	---	---	21
22	---	---	---	28.932	28.941	29.075	28.908	28.820	28.781	28.760	---	---	22
23	---	---	---	28.940	28.939	29.057	28.904	28.820	28.780	28.761	---	---	23
24	---	---	---	28.946	28.937	29.036	28.899	28.822	28.779	28.761	---	---	24
25	---	---	---	28.952	28.932	29.021	28.896	28.820	28.779	28.760	---	---	25
26	---	---	---	28.958	28.928	29.012	28.893	28.817	28.779	28.759	---	---	26
27	---	---	---	28.961	28.924	29.000	28.890	28.817	28.776	28.763	---	---	27
28	---	---	---	28.967	28.919	28.990	28.901	28.822	28.775	28.762	---	---	28
29	---		---	28.979	28.915	28.983	28.900	28.818	28.775	28.763A	---	---	29
30	---		---	28.983	28.911	28.973	28.895	28.814	28.773	28.763E	---	---	30
31	---		---		28.908		28.891	28.811		28.763E		---	31
MEAN	---	---	---	28.920	28.948	28.993	28.928	28.840	28.784	28.764	---	---	MEAN
MAX	---	---	---	28.983	28.982	29.075	28.967	28.887	28.809	28.776	---	---	MAX
MIN	---	---	---	28.902	28.908	28.904	28.890	28.811	28.767	28.757	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 29.075 ON JUN 22
MINIMUM DAILY, 28.757 ON OCT 19
MAXIMUM INSTANTANEOUS,
29.077 AT 06:18 CST ON JUN 22

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 13 N
LONG 093 41 27 W
DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW
DRAINAGE AREA,
0.34 km²

LAKE 227 OUTLET NEAR KENORA - STATION NO. 05QD008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0E	---	---	0 E	0.004	0	0.004	0	0	0	---	---	1
2	---	---	---	0 E	0.003	0	0.003	0	0	0	---	---	2
3	---	---	---	0 E	0.003	0.001	0.003	0	0	0	---	---	3
4	---	---	---	0 A	0.003	0.001	0.002	0	0	0	---	---	4
5	---	---	---	0	0.003	0.001	0.002	0	0	0	---	---	5
6	---	---	---	0	0.003	0.003	0.002	0	0	0	---	---	6
7	---	---	---	0	0.003	0.002	0.003	0	0	0	---	---	7
8	---	---	---	0	0.003	0.003	0.004	0	0	0	---	---	8
9	---	---	---	0	0.003	0.004	0.004	0	0	0	---	---	9
10	---	---	---	0	0.002	0.004	0.003	0	0	0	---	---	10
11	---	---	---	0 A	0.002	0.004	0.003	0	0	0	---	---	11
12	---	0A	0A	0	0.002	0.005	0.002	0	0	0	---	---	12
13	---	---	---	0	0.002	0.005	0.002	0	0	0	---	0A	13
14	---	---	---	0	0.002	0.005	0.001	0	0	0	---	---	14
15	0A	---	---	0	0.002	0.004	0.001	0	0	0	---	---	15
16	---	---	---	0	0.002	0.004	0	0	0	0	---	---	16
17	---	---	---	0	0.002	0.009	0.001	0	0	0	---	---	17
18	---	---	---	0	0.002	0.024	0.001	0	0	0	---	---	18
19	---	---	---	0	0.002	0.020	0	0	0	0	---	---	19
20	---	---	---	0	0.002	0.021	0	0	0	0	---	---	20
21	---	---	---	0	0.001	0.026	0	0	0	0	---	---	21
22	---	---	---	0	0.001	0.029	0	0	0	0	---	---	22
23	---	---	---	0	0.001	0.023	0	0	0	0	---	---	23
24	---	---	---	0	0.001	0.016	0	0	0	0	---	---	24
25	---	---	---	0	0.001	0.012	0	0	0	0	---	---	25
26	---	---	---	0.001	0.001	0.010	0	0	0	0	---	---	26
27	---	---	---	0.001	0	0.008	0	0	0	0	---	---	27
28	---	---	---	0.002	0	0.006	0	0	0	0	---	---	28
29	---		---	0.003	0	0.005	0	0	0	0	---	---	29
30	---		---	0.004	0	0.004	0	0	0	0	---	---	30
31	---		---		0		0	0		0		0E	31
TOTAL	---	---	---	0.011	0.056	0.259	0.041	0	0	0	---	---	TOTAL
MEAN	---	---	---	0	0.002	0.009	0.001	0	0	0	---	---	MEAN
MAX	---	---	---	0.004	0.004	0.029	0.004	0	0	0	---	---	MAX
MIN	---	---	---	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.002
MAXIMUM DAILY, 0.029 ON JUN 22
MINIMUM DAILY, 0E ON APR 01
MAXIMUM INSTANTANEOUS,
0.030 ON JUN 22

DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 15 N
LONG 093 41 25 W
DRAINAGE AREA, 0.34 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3.54
FEB	---	AUG	0
MAR	---	SEP	0
APR	0.950	OCT	0
MAY	4.84	NOV	---
JUN	22.4	DEC	---

TOTAL DISCHARGE, 31.7 dam³

LAKE 239 NEAR KENORA - STATION NO. 05PD021

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	29.362E	29.383E	29.400E	29.438	29.527	29.502	29.629	29.484	29.397	29.322	29.288	29.278E	1
2	29.363E	29.383E	29.401E	29.440	29.534	29.515	29.620	29.479	29.394	29.323	29.289	29.278E	2
3	29.364E	29.384E	29.402E	29.441	29.537	29.532	29.615	29.477	29.393	29.327	29.287	29.279E	3
4	29.365E	29.384E	29.403E	29.441	29.540	29.535	29.609	29.473	29.395	29.321	29.287	29.279E	4
5	29.366E	29.384E	29.404E	29.443	29.543	29.541	29.605	29.468	29.390	29.314	29.286	29.279E	5
6	29.367E	29.385E	29.404E	29.443	29.544	29.549	29.595	29.464	29.388	29.313	29.285	29.279E	6
7	29.368E	29.385E	29.405E	29.442	29.547	29.551	29.596	29.460	29.379	29.311	29.286	29.279E	7
8	29.369E	29.385E	29.406E	29.441	29.551	29.557	29.611	29.455	29.374	29.309	29.284	29.280E	8
9	29.370E	29.386E	29.407	29.441	29.554	29.562	29.608	29.456	29.370	29.310	29.277	29.280E	9
10	29.371E	29.386E	29.408	29.441	29.554	29.563	29.601	29.452	29.365	29.308	29.275	29.280E	10
11	29.372E	29.387E	29.409	29.439	29.550	29.565	29.600	29.443	29.361	29.305	29.274	29.280E	11
12	29.373E	29.387A	29.410	29.437	29.547	29.577	29.592	29.437	29.361	29.305	29.273	29.280A	12
13	29.374E	29.387	29.410A	29.438	29.550	29.577	29.582	29.435	29.354	29.308	29.273	29.280E	13
14	29.375E	29.388	29.415	29.441	29.554	29.574	29.573	29.425	29.352	29.310	29.272	29.281E	14
15	29.376E	29.389	29.445	29.444	29.554	29.567	29.566	29.422	29.351	29.308	29.275A	29.282E	15
16	29.378A	29.390	29.429	29.447	29.552	29.561	29.571	29.421	29.338	29.308	29.275E	29.283E	16
17	29.378E	29.391	29.425	29.446	29.554	29.585	29.538	29.425	29.333	29.309	29.275E	29.284E	17
18	29.378E	29.391	29.425	29.447	29.552	29.623	29.549	29.416	29.338	29.306	29.275E	29.284E	18
19	29.379E	29.392	29.427	29.448	29.548	29.633	29.540	29.410	29.338	29.304	29.275E	29.285E	19
20	29.379E	29.393	29.427	29.449	29.545	29.649	29.531	29.407	29.334	29.303	29.276E	29.285E	20
21	29.379E	29.394	29.426	29.450	29.542	29.674	29.523	29.404	29.341	29.301	29.276E	29.286E	21
22	29.380E	29.394	29.421	29.452	29.542	29.706	29.519	29.403	29.351	29.299	29.276E	29.287E	22
23	29.380E	29.395	29.425	29.459	29.539	29.709	29.517	29.404	29.341	29.297	29.276E	29.288E	23
24	29.380E	29.396	29.427	29.463	29.536	29.701	29.513	29.406	29.339	29.297	29.277E	29.288E	24
25	29.381E	29.397	29.424	29.469	29.531	29.692	29.508	29.406	29.337	29.294	29.277E	29.289E	25
26	29.381E	29.397	29.427	29.479	29.529	29.687	29.503	29.403	29.335	29.292	29.277E	29.289E	26
27	29.381E	29.398	29.429	29.485	29.525	29.676	29.499	29.404	29.331	29.293	29.277E	29.290E	27
28	29.382E	29.399	29.429	29.494	29.519	29.665	29.506	29.408	29.329	29.292	29.278E	29.291E	28
29	29.382E		29.429	29.509	29.514	29.656	29.501	29.405	29.326	29.291	29.278E	29.291E	29
30	29.382E		29.429	29.520	29.511	29.641	29.494	29.404	29.324	29.290	29.278E	29.292E	30
31	29.383E		29.433		29.505		29.488	29.402		29.290		29.292E	31
MEAN	29.375	29.390	29.418	29.454	29.540	29.604	29.558	29.431	29.355	29.305	29.279	29.284	MEAN
MAX	29.383	29.399	29.445	29.520	29.554	29.709	29.629	29.484	29.397	29.327	29.289	29.292	MAX
MIN	29.362	29.383	29.400	29.437	29.505	29.502	29.488	29.402	29.324	29.290	29.272	29.278	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MEAN, 29.416
MAXIMUM DAILY, 29.709 ON JUN 23
MINIMUM DAILY, 29.272 ON NOV 14
MAXIMUM INSTANTANEOUS,
29.711 AT 05:22 CST ON JUN 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 28 N
LONG 093 43 36 W
DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW
DRAINAGE AREA,
3.9 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

LAKE 239 NORTHEAST INLET NEAR KENORA - STATION NO. 05PD031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0E	---	---	0.001A	0.001	0	0	0	0	0	0	---	1
2	---	---	---	0 A	0.001	0.002	0	0	0	0	0	---	2
3	---	---	---	0 A	0.001	0.005	0	0	0	0	0	---	3
4	---	---	---	0 A	0.001	0.003	0	0	0	0	0	---	4
5	---	---	---	0 A	0	0.002	0	0	0	0	0	---	5
6	---	---	---	0 A	0	0.002	0	0	0	0	0	---	6
7	---	---	---	0 A	0	0.001	0.001	0	0	0	0	---	7
8	---	---	---	0 A	0.001	0.001	0.003	0	0	0	0	---	8
9	---	---	---	0 A	0.001	0.001	0.002	0	0	0	0	---	9
10	---	---	---	0 A	0.001	0.001	0.001	0	0	0	0	---	10
11	---	---	---	0 A	0	0	0	0	0	0	0	0A	11
12	---	0A	0A	0	0	0.002	0	0	0	0	0	---	12
13	---	---	---	0	0.001	0.001	0	0	0	0	0	---	13
14	---	---	---	0	0.001	0.001	0	0	0	0	0	---	14
15	---	---	---	0	0.001	0	0	0	0	0	0A	---	15
16	0A	---	---	0	0.001	0	0	0	0	0	---	---	16
17	---	---	---	0	0.001	0.005	0	0	0	0	---	---	17
18	---	---	---	0	0.001	0.006	0	0	0	0	---	---	18
19	---	---	---	0	0	0.003	0	0	0	0	---	---	19
20	---	---	---	0	0	0.006	0	0	0	0	---	---	20
21	---	---	---	0	0	0.009	0	0	0	0	---	---	21
22	---	---	---	0	0	0.008	0	0	0	0	---	---	22
23	---	---	0A	0	0	0.005	0	0	0	0	---	---	23
24	---	---	0A	0	0	0.003	0	0	0	0	---	---	24
25	---	---	0A	0	0	0.002	0	0	0	0	---	---	25
26	---	---	0E	0	0	0.002	0	0	0	0	---	---	26
27	---	---	0A	0	0	0.001	0	0	0	0	---	---	27
28	---	---	0A	0.001	0	0.001	0	0	0	0	---	---	28
29	---		0E	0.001	0	0.001	0	0	0	0	---	---	29
30	---		0A	0.001	0	0	0	0	0	0	---	---	30
31	---		0A		0		0	0		0		0E	31
TOTAL	---	---	---	0.004	0.013	0.074	0.007	0	0	0	---	---	TOTAL
MEAN	---	---	---	0	0	0.003	0	0	0	0	---	---	MEAN
MAX	---	---	---	0.001	0.001	0.009	0.003	0	0	0	---	---	MAX
MIN	---	---	---	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MAXIMUM DAILY, 0.009 ON JUN 21
MINIMUM DAILY, 0A ON MAR 12
MAXIMUM INSTANTANEOUS,
0.010 ON JUN 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 04 N
LONG 093 43 08 W
DRAINAGE AREA, 0.12 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0.605
FEB	---	AUG	0
MAR	---	SEP	0
APR	0.346	OCT	0
MAY	1.12	NOV	---
JUN	6.39	DEC	---

LAKE 239 OUTLET NEAR KENORA - STATION NO. 05PD023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0	0.001	0.009	0.061	0.005	0	0	0	0	1
2	0	0	0	0	0.001	0.009	0.054	0.004	0	0	0	0	2
3	0	0	0	0	0.001	0	0.049	0.004	0	0	0	0	3
4	0	0	0	0	0.001	0	0.043	0.003	0	0	0	0	4
5	0	0	0	0	0.001	0	0.039	0.002	0	0	0	0	5
6	0	0	0	0	0.001	0	0.034	0.002	0	0	0	0	6
7	0	0	0	0	0.009	0	0.037	0.001	0	0	0	0	7
8	0	0	0	0	0.022	0	0.046	0.001	0	0	0	0	8
9	0	0	0	0	0.017	0	0.044	0.001	0	0	0	0	9
10	0	0	0	0	0.016	0	0.040	0	0	0	0	0	10
11	0	0	0	0	0.017	0	0.038	0	0	0	0	0	11
12	0	0	0	0	0.018	0.015	0.032	0	0	0	0	0	12
13	0	0	0	0	0.018	0.036	0.027	0	0	0	0	0	13
14	0	0	0	0	0.018	0.036	0.022	0	0	0	0	0	14
15	0	0	0	0	0.018	0.033	0.018	0	0	0	0	0	15
16	0	0	0	0	0.020	0.030	0.015	0	0	0	0	0	16
17	0	0	0	0	0.020	0.042	0.014	0	0	0	0	0	17
18	0	0	0	0	0.019	0.064	0.014	0	0	0	0	0	18
19	0	0	0	0	0.018	0.070	0.016	0	0	0	0	0	19
20	0	0	0	0	0.017	0.081	0.018	0	0	0	0	0	20
21	0	0	0	0	0.016	0.100	0.017	0	0	0	0	0	21
22	0	0	0	0.002	0.016	0.126	0.016	0	0	0	0	0	22
23	0	0	0	0.002	0.016	0.128	0.015	0	0	0	0	0	23
24	0	0	0	0.003	0.018	0.119	0.013	0	0	0	0	0	24
25	0	0	0	0.004	0.019	0.111	0.012	0	0	0	0	0	25
26	0	0	0	0.005	0.019	0.104	0.010	0	0	0	0	0	26
27	0	0	0	0.004	0.016	0.095	0.009	0	0	0	0	0	27
28	0	0	0	0.001	0.014	0.086	0.011	0	0	0	0	0	28
29	0		0	0.001	0.012	0.079	0.009	0	0	0	0	0	29
30	0		0	0.001	0.009	0.069	0.008	0	0	0	0	0	30
31	0		0		0.009		0.006	0		0		0	31
TOTAL	0	0	0	0.023	0.417	1.442	0.787	0.023	0	0	0	0	TOTAL
MEAN	0	0	0	0.001	0.014	0.048	0.025	0.001	0	0	0	0	MEAN
MAX	0	0	0	0.005	0.022	0.128	0.061	0.005	0	0	0	0	MAX
MIN	0	0	0	0	0.001	0	0.006	0	0	0	0	0	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.007
MAXIMUM DAILY, 0.128 ON JUN 23
MINIMUM DAILY, 0 ON JAN 01
MAXIMUM INSTANTANEOUS,
0.130 ON JUN 22

DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 28 N
LONG 093 43 36 W
DRAINAGE AREA, 3.9 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	68.0
FEB	0	AUG	1.99
MAR	0	SEP	0
APR	1.99	OCT	0
MAY	36.0	NOV	0
JUN	125	DEC	0

TOTAL DISCHARGE, 233 dam³

LAKE 239, LOWER EAST INLET, NEAR KENORA - STATION NO. 05PD024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0E	---	0 E	0.014	0.017	0.001	0.006	0	0	0	---	---	1
2	---	---	0 E	0.007	0.014	0.009	0.004	0	0	0	---	---	2
3	---	---	0 E	0.004	0.010	0.035	0.003	0	0	0	---	---	3
4	---	---	0 E	0.003	0.009	0.020	0.002	0	0	0	---	---	4
5	---	---	0 E	0.002	0.009	0.011	0.003	0	0	0	---	---	5
6	---	---	0 E	0.001	0.008	0.014	0.002	0	0	0	---	---	6
7	---	---	0 E	0	0.007	0.007	0.009	0	0	0	---	---	7
8	---	---	0 E	0	0.016	0.009	0.024	0	0	0	---	---	8
9	---	---	0 E	0.001	0.011	0.009	0.015	0	0	0	---	---	9
10	---	---	0 E	0.001	0.009	0.006	0.008	0	0	0	---	---	10
11	---	---	0 E	0.001	0.007	0.003	0.006	0	0	0	---	0A	11
12	---	0A	0 A	0.001	0.005	0.013	0.004	0	0	0	---	---	12
13	---	---	0 E	0.002	0.009	0.008	0.004	0	0	0	---	---	13
14	---	---	0 E	0.002	0.014	0.007	0.002	0	0	0	---	---	14
15	---	---	0 E	0.001	0.009	0.006	0.001	0	0	0	0A	---	15
16	0A	---	0 E	0.001	0.007	0.004	0	0	0	0	---	---	16
17	---	---	0 E	0.001	0.009	0.045	0	0	0	0	---	---	17
18	---	---	0 E	0.007	0.007	0.114	0	0	0	0	---	---	18
19	---	---	0 E	0.013	0.005	0.040	0	0	0	0	---	---	19
20	---	---	0 E	0.013	0.004	0.068	0	0	0	0	---	---	20
21	---	---	0 E	0.012	0.004	0.103	0	0	0	0	---	---	21
22	---	---	0.001E	0.013	0.004	0.098	0	0	0	0	---	---	22
23	---	---	0.001A	0.015	0.003	0.048	0	0	0	0	---	---	23
24	---	---	0 A	0.013	0.003	0.026	0	0	0	0	---	---	24
25	---	---	0 A	0.013	0.003	0.019	0	0	0	0	---	---	25
26	---	---	0 A	0.014	0.002	0.020	0	0	0	0	---	---	26
27	---	---	0 A	0.012	0.002	0.011	0	0	0	0	---	---	27
28	---	---	0 A	0.015	0.002	0.009	0	0	0	0	---	---	28
29	---		0 E	0.023	0.002	0.009	0	0	0	0	---	---	29
30	---		0.001E	0.017	0.002	0.008	0	0	0	0	---	---	30
31	---		0.018A		0.001		0	0		0		0E	31
TOTAL	---	---	0.021	0.222	0.214	0.780	0.093	0	0	0	---	---	TOTAL
MEAN	---	---	0.001	0.007	0.007	0.026	0.003	0	0	0	---	---	MEAN
MAX	---	---	0.018	0.023	0.017	0.114	0.024	0	0	0	---	---	MAX
MIN	---	---	0	0	0.001	0.001	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.006
MAXIMUM DAILY, 0.114 ON JUN 18
MINIMUM DAILY, 0 ON APR 07
MAXIMUM INSTANTANEOUS,
0.222 ON JUN 17

DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 37 N
LONG 093 42 48 W
DRAINAGE AREA, 1.7 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8.04
FEB	---	AUG	0
MAR	0.021	SEP	0
APR	19.2	OCT	0
MAY	18.5	NOV	---
JUN	67.4	DEC	---

TOTAL DISCHARGE, 113 dam³

LAKE 240 OUTLET NEAR KENORA - STATION NO. 05PD015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0.007	0.012	0.138	0.014	0	0	0	0
2	0	0	0	0	0.008	0.017	0.142	0.014	0	0	0	0
3	0	0	0	0	0.009	0.022	0.135	0.013	0	0	0	0
4	0	0	0	0	0.009	0.019	0.137	0.012	0	0	0	0
5	0	0	0	0 A	0.009	0.019	0.129	0.010	0	0	0	0
6	0	0	0	0 E	0.008	0.019	0.111	0.009	0	0	0	0
7	0	0	0	0 E	0.008	0.018	0.108	0.007	0	0	0	0
8	0	0	0	0 E	0.010	0.019	0.115	0.007	0	0	0	0
9	0	0	0	0 E	0.012	0.020	0.109	0.006	0	0	0	0
10	0	0	0	0 A	0.012	0.018	0.106	0.005	0	0	0	0
11	0	0	0	0 E	0.012	0.016	0.095	0.004A	0	0	0	0
12	0	0A	0	0 E	0.012	0.020	0.088	0.003E	0	0	0	0A
13	0	0	0A	0 E	0.014	0.022	0.079	0.002E	0	0	0	0
14	0	0	0	0 E	0.017	0.024	0.071	0.001A	0	0	0	0
15	0	0	0	0 E	0.016	0.024	0.063	0.001E	0	0	0A	0
16	0A	0	0	0 E	0.018	0.023A	0.057	0.001E	0	0	0	0
17	0	0	0	0 E	0.020	0.043E	0.052	0 E	0	0	0	0
18	0	0	0	0 E	0.020	0.062A	0.047	0 E	0	0	0	0
19	0	0	0	0 E	0.020	0.075	0.043	0 E	0	0	0	0
20	0	0	0	0 E	0.020	0.098	0.039A	0 E	0	0	0	0
21	0	0	0	0.001E	0.020	0.135	0.036E	0 E	0	0	0	0
22	0	0	0	0.002E	0.020	0.208	0.033E	0 E	0	0	0	0
23	0	0	0	0.004E	0.020	0.240	0.030E	0 E	0	0	0	0
24	0	0	0	0.006A	0.020	0.231	0.027A	0 E	0	0	0	0
25	0	0	0	0.006	0.019	0.220	0.026A	0 E	0	0	0	0
26	0	0	0	0.006	0.018	0.213	0.024	0 E	0	0	0	0
27	0	0	0A	0.006	0.018	0.190	0.021	0 E	0	0	0	0
28	0	0	0	0.007	0.017	0.169	0.021	0	0	0	0	0
29	0		0	0.006	0.015	0.156	0.020	0	0	0	0	0
30	0		0	0.007	0.014	0.144	0.016	0	0	0	0	0
31	0		0		0.013		0.014	0		0		0
TOTAL	0	0	0	0.051	0.455	2.496	2.132	0.109	0	0	0	0
MEAN	0	0	0	0.002	0.015	0.083	0.069	0.004	0	0	0	0
MAX	0	0	0	0.007	0.020	0.240	0.142	0.014	0	0	0	0
MIN	0	0	0	0	0.007	0.012	0.014	0	0	0	0	0

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.014
MAXIMUM DAILY, 0.240 ON JUN 23
MINIMUM DAILY, 0 ON JAN 01
MAXIMUM INSTANTANEOUS,
0.242 ON JUN 23

DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 52 N
LONG 093 43 34 W

DRAINAGE AREA, 7.25 km²

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	0	JUL	184
FEB	0	AUG	9.42
MAR	0	SEP	0
APR	4.41	OCT	0
MAY	39.3	NOV	0
JUN	216	DEC	0

TOTAL DISCHARGE, 453 dam³

LAKE 302 NEAR KENORA - STATION NO. 05QD022

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	27.630E	27.713	27.707	27.804	27.473	27.389	27.343	---	---
2	---	---	---	27.630E	27.717	27.722	27.804	27.466	27.388	27.340	---	---
3	---	---	---	27.630A	27.720	27.739	27.803	27.460	27.383	27.343	---	---
4	---	---	---	27.630	27.721	27.741	27.791	27.454	27.388	27.342	---	---
5	---	---	---	27.630	27.724	27.745	27.775	27.448	27.384	27.339	---	---
6	---	---	---	27.629	27.723	27.752	27.744	27.444	27.382	27.338	---	---
7	---	---	---	27.629	27.724	27.753	27.735	27.439	27.378	27.336	---	---
8	---	---	---	27.631	27.728A	27.762	27.739	27.435	27.374	27.335	---	---
9	---	---	---	27.631	27.728E	27.768	27.727	27.434	27.369	27.331	---	---
10	---	---	---	27.633	27.727E	27.768	27.710	27.428	27.367	27.332	---	---
11	---	---	---	27.634	27.727E	27.767	27.700	27.425	27.362	27.327	---	---
12	---	---	---	27.630	27.727E	27.774	27.690	27.422	27.361	27.325	---	---
13	---	---	---	27.631	27.726E	27.775	27.684	27.419	27.358	27.324	---	---
14	---	---	---	27.633	27.726A	27.775	27.672	27.414	27.354	27.326	---	---
15	---	---	---	27.635	27.726	27.770	27.645	27.410	27.353	27.324	---	---
16	---	---	---	27.637	27.729	27.768	27.615	27.410	27.347	27.323	---	---
17	---	---	---	27.641	27.733	27.793	27.594	27.412	27.345	27.321	---	---
18	---	---	---	27.642	27.733	27.823	27.579	27.409	27.347	27.319	---	---
19	---	---	---	27.644	27.733	27.825	27.563	27.404	27.348	27.317	---	---
20	---	---	---	27.649	27.732	27.834	27.549	27.402	27.346	27.317	---	---
21	---	---	---	27.652	27.730	27.847	27.542	27.399	27.349	27.318	---	---
22	---	---	---	27.657	27.730	27.861	27.536	27.397	27.357	27.315	---	---
23	---	---	---	27.660	27.732	27.846	27.529	27.398	27.355	27.317	---	---
24	---	---	---	27.666	27.731	27.835	27.517	27.400	27.352	27.317	---	---
25	---	---	---	27.673	27.729	27.830	27.504	27.400	27.351	27.315	---	---
26	---	---	---	27.680	27.727	27.826	27.496	27.397	27.348	27.314	---	---
27	---	---	---	27.685	27.725	27.821	27.488	27.397	27.346	27.318	---	---
28	---	---	---	27.690	27.723	27.817	27.510	27.401	27.347	27.317	---	---
29	---		---	27.702	27.718	27.813	27.505	27.398	27.345	27.317A	---	---
30	---		---	27.708	27.715	27.811	27.492	27.396	27.343	27.317E	---	---
31	---		---		27.711		27.482	27.392		27.317E		---
MEAN	---	---	---	27.648	27.725	27.789	27.630	27.419	27.361	27.325	---	---
MAX	---	---	---	27.708	27.733	27.861	27.804	27.473	27.389	27.343	---	---
MIN	---	---	---	27.629	27.711	27.707	27.482	27.392	27.343	27.314	---	---

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 27.861 ON JUN 22
MINIMUM DAILY, 27.314 ON OCT 26
MAXIMUM INSTANTANEOUS
27.865 AT 06:00 CST ON JUN 22

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 24 N
LONG 093 45 40 W

DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA,
1.02 km²

LAKE 302 OUTLET NEAR KENORA - STATION NO. 05QD023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0E	---	---	0 E	0.002	0	0.005	0.013	0	0	---	---	1
2	---	---	---	0 E	0.001	0.001	0.004	0.010	0	0	---	---	2
3	---	---	---	0 A	0.001	0.001	0.017	0.008	0	0	---	---	3
4	---	---	---	0 E	0.001	0.001	0.057E	0.006	0	0	---	---	4
5	---	---	---	0 A	0.001	0.001	0.072E	0.004	0	0	---	---	5
6	---	---	---	0 E	0.001	0.001	0.071E	0.004	0	0	---	---	6
7	---	---	---	0 E	0.001	0.001	0.064	0.003	0	0	---	---	7
8	---	---	---	0 E	0.023	0.001	0.065	0.002	0	0	---	---	8
9	---	---	---	0 E	0.002	0.001	0.058	0.002	0	0	---	---	9
10	---	---	---	0 E	0.001	0.001	0.029	0.002	0	0	---	---	10
11	---	---	---	0 A	0.001	0.001	0.029	0.001	0	0	---	0A	11
12	---	0A	---	0	0.001	0.002	0.008	0.001	0	0	---	---	12
13	---	---	0A	0	0.001	0.002	0.015	0.001	0	0	---	---	13
14	---	---	---	0	0.001	0.002	0.039E	0	0	0	---	---	14
15	0A	---	---	0	0.001	0.002	0.065E	0	0	0	---	---	15
16	---	---	---	0	0.001	0.001	0.052	0	0	0	---	---	16
17	---	---	---	0.001	0.002	0.016	0.041	0	0	0	---	---	17
18	---	---	---	0	0.002	0.033	0.032	0	0	0	---	---	18
19	---	---	---	0	0.002	0.026	0.027	0	0	0	---	---	19
20	---	---	---	0.003	0.002	0.039	0.017	0	0	0	---	---	20
21	---	---	---	0.003	0.001	0.063E	0.010	0	0	0	---	---	21
22	---	---	---	0.002	0.001	0.087E	0.007	0	0	0	---	---	22
23	---	---	---	0.002	0.001	0.058	0.018	0	0	0	---	---	23
24	---	---	---	0.002	0.001	0.039	0.026	0	0	0	---	---	24
25	---	---	---	0.001	0.001	0.023	0.022	0	0	0	---	---	25
26	---	---	---	0.001	0.001	0.019	0.020	0	0	0	---	---	26
27	---	---	---	0.001	0.001	0.014	0.018	0	0	0	---	---	27
28	---	---	0A	0.001	0.001	0.010	0.025	0	0	0	---	---	28
29	---		---	0.002	0.001	0.008	0.023	0	0	0E	---	---	29
30	---		---	0.002	0.001	0.006	0.019	0	0	0E	---	---	30
31	---		---		0.001		0.016	0		0E		0E	31
TOTAL	---	---	---	0.021	0.059	0.459	0.971	0.057	0	0	---	---	TOTAL
MEAN	---	---	---	0.001	0.002	0.015	0.031	0.002	0	0	---	---	MEAN
MAX	---	---	---	0.003	0.023	0.087	0.072	0.013	0	0	---	---	MAX
MIN	---	---	---	0	0.001	0	0.004	0	0	0	---	---	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.087E ON JUN 22
MINIMUM DAILY, 0E ON JAN 01
MAXIMUM INSTANTANEOUS,
0.096 ON JUN 22

DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 47 N
LONG 093 45 28 W
DRAINAGE AREA, 1.02 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	83.9
FEB	---	AUG	4.92
MAR	---	SEP	0
APR	1.81	OCT	0
MAY	5.10	NOV	---
JUN	39.7	DEC	---

LAKE 302 UPLAND WATERSHED NEAR KENORA - STATION NO. 05QD024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0E	---	---	0.007	0.002	0	0	0	0	0	0	---	1
2	---	---	---	0.003	0.001	0	0	0	0	0	0	---	2
3	---	---	---	0.002	0.001	0.003	0	0	0	0	0	---	3
4	---	---	---	0.001	0.001	0.002	0	0	0	0	0	---	4
5	---	---	---	0.001	0.001	0.001	0	0	0	0	0	---	5
6	---	---	---	0.001	0	0.002	0	0	0	0	0	---	6
7	---	---	---		0	0.001	0.004	0	0	0	0	---	7
8	---	---	---		0	0.001	0.013	0	0	0	0	---	8
9	---	---	---		0	0.002	0.003	0	0	0	0	---	9
10	---	---	---	0.001	0	0.001	0.001	0	0	0	0	---	10
11	---	---	---	0.001	0	0	0	0	0	0	0	0A	11
12	---	0A	0 A	0.001	0	0.001	0	0	0	0	0	---	12
13	---	---	---	0.001	0	0.001	0	0	0	0	0	---	13
14	---	---	---	0.001	0.001	0	0	0	0	0	0	---	14
15	0A	---	---	0.001	0.001	0	0	0	0	0	0E	---	15
16	---	---	---	0.001	0	0	0	0	0	0	0E	---	16
17	---	---	---	0	0	0.013	0	0	0	0	0E	---	17
18	---	---	---	0.001	0	0.009	0	0	0	0	0E	---	18
19	---	---	---	0.003	0	0.002	0	0	0	0	0E	---	19
20	---	---	---	0.003	0	0.007	0	0	0	0	0E	---	20
21	---	---	---	0.003	0	0.012	0	0	0	0	0E	---	21
22	---	---	---	0.002	0	0.010	0	0	0	0	0E	---	22
23	---	---	0 A	0.002	0	0.002	0	0	0	0	0E	---	23
24	---	---	0 A	0.001	0	0.001	0	0	0	0	0E	---	24
25	---	---	---	0.001	0	0.001	0	0	0	0	0E	---	25
26	---	---	---	0.001	0	0	0	0	0	0	0E	---	26
27	---	---	---	0.001	0	0	0	0	0	0	0E	---	27
28	---	---	0 A	0.001	0	0	0.002	0	0	0	0E	---	28
29	---		0	0.004	0	0	0.001	0	0	0	0E	---	29
30	---		0.001	0.002	0	0	0	0	0	0	0E	---	30
31	---		0.006		0		0	0		0		0E	31
TOTAL	---	---	---	0.047	0.008	0.072	0.024	0	0	0	0	---	TOTAL
MEAN	---	---	---	0.002	0	0.002	0.001	0	0	0	0	---	MEAN
MAX	---	---	---	0.007	0.002	0.013	0.013	0	0	0	0	---	MAX
MIN	---	---	---	0	0	0	0	0	0	0	0	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.013 ON JUN 17
MINIMUM DAILY, 0 ON APR 07
MAXIMUM INSTANTANEOUS,
0.034 ON JUN 17

DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 22 N
LONG 093 46 00 W
DRAINAGE AREA, 0.07 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2.07
FEB	---	AUG	0
MAR	---	SEP	0
APR	4.06	OCT	0
MAY	0.691	NOV	0
JUN	6.22	DEC	---

TOTAL DISCHARGE, 13.0 dam³

LAKE 303 NEAR KENORA - STATION NO. 05PD020

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	55.802E	55.881	55.877	56.049	56.006	55.907	55.859	---	---
2	---	---	---	55.802E	55.885	55.890	56.045	56.000	55.905	55.858	---	---
3	---	---	---	55.803A	55.888	55.909	56.045	55.997	55.901	55.860	---	---
4	---	---	---	55.806	55.890	55.907	56.045	55.989	55.904	55.859	---	---
5	---	---	---	55.807	55.894	55.910	56.048	55.985	55.900	55.855	---	---
6	---	---	---	55.807	55.894	55.917	56.043	55.981	55.898	55.853	---	---
7	---	---	---	55.807	55.895	55.918	56.058	55.976	55.890	55.850	---	---
8	---	---	---	55.806	55.904	55.925	56.078	55.972	55.886	55.851	---	---
9	---	---	---	55.806	55.906	55.930	56.082	55.972	55.881	55.848	---	---
10	---	---	---	55.809	55.907	55.928	56.079	55.966	55.876	55.846	---	---
11	---	---	---	55.810	55.905	55.926	56.073	55.961	55.874	55.844	---	---
12	---	---	---	55.808	55.905	55.934	56.062	55.956	55.872	55.843	---	---
13	---	---	---	55.805	55.910	55.935	56.057	55.954	55.867	55.843	---	---
14	---	---	---	55.805	55.917	55.935	56.051	55.947	55.867	55.843	---	---
15	---	---	---	55.807	55.917	55.934	56.047	55.944	55.865	55.844	---	---
16	---	---	---	55.808	55.917	55.931	56.041	55.942	55.861	55.842	---	---
17	---	---	---	55.811	55.919	55.963	56.040	55.944	55.858	55.840	---	---
18	---	---	---	55.809	55.918	56.010	56.039	55.938	55.864	55.839	---	---
19	---	---	---	55.798	55.915	56.019	56.032	55.930	55.865	55.836	---	---
20	---	---	---	55.798	55.914	56.039	56.028	55.926	55.863	55.837	---	---
21	---	---	---	55.811	55.912	56.063	56.025	55.924	55.869	55.837	---	---
22	---	---	---	55.817	55.909	56.081	56.020	55.923	55.876	55.837	---	---
23	---	---	---	55.823	55.909	56.072	56.015	55.922	55.872	55.837	---	---
24	---	---	---	55.832	55.909	56.068	56.013	55.924	55.870	55.838	---	---
25	---	---	---	55.837	55.905	56.066	56.009	55.923	55.870	55.837	---	---
26	---	---	---	55.843	55.903	56.070	56.006	55.919	55.867	55.837	---	---
27	---	---	---	55.842	55.900	56.066	56.004	55.920	55.864	55.840	---	---
28	---	---	---	55.852	55.893	56.063	56.021	55.923	55.863	55.841	---	---
29	---		---	55.867	55.889	56.060	56.021	55.920	55.861	55.840	---	---
30	---		---	55.878	55.887	56.056	56.016	55.916	55.859	55.841	---	---
31	---		---		55.884		56.012	55.912		55.839A		---
MEAN	---	---	---	55.817	55.903	55.980	56.039	55.949	55.876	55.844	---	---
MAX	---	---	---	55.878	55.919	56.081	56.082	56.006	55.907	55.860	---	---
MIN	---	---	---	55.798	55.881	55.877	56.004	55.912	55.858	55.836	---	---

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MAXIMUM DAILY, 56.082 ON JUL 09
MINIMUM DAILY, 55.798 ON APR 19
MAXIMUM INSTANTANEOUS,
56.084 AT 02:20 CST ON JUN 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 40 N
LONG 093 44 30 W

DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW
DRAINAGE AREA,
0.54 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM NO. 2

LAKE 303 OUTLET NEAR KENORA - STATION NO. 05PD019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0E	---	---	0.001E	0.001	0	0.001	0	0	0	---	---
2	---	---	---	0.001E	0.001	0.001	0.001	0	0	0	---	---
3	---	---	---	0.001A	0.001	0.001	0.001	0	0	0	---	---
4	---	---	---	0.001	0.001	0	0.001	0	0	0	---	---
5	---	---	---	0.001	0.001	0	0.001	0	0	0	---	---
6	---	---	---	0.001	0.001	0	0.001	0	0	0	---	---
7	---	---	---	0.001	0.001	0	0.002	0	0	0	---	---
8	---	---	---	0.001	0.001	0.001	0.009	0	0	0	---	---
9	---	---	---	0.001	0.001	0.001	0.005	0	0	0	---	---
10	---	---	---	0.001	0.001	0.001	0.003	0	0	0	---	---
11	---	---	---	0.001	0.001	0.001	0.008	0	0	0	---	0A
12	---	---	0A	0.001	0.001	0.001	0.005	0	0	0	---	---
13	---	---	0A	0.002	0.001	0	0.001	0	0	0	---	---
14	---	0A	---	0.002	0.001	0	0.001	0	0	0	---	---
15	---	---	---	0.002	0.001	0	0.001	0	0	0	---	---
16	0A	---	---	0.002	0.001	0	0.002	0	0	0	---	---
17	---	---	---	0.002	0.001	0.010	0.003	0	0	0	---	---
18	---	---	---	0.002	0.001	0.017	0.001	0	0	0	---	---
19	---	---	---	0.002	0.001	0.007	0.001	0	0	0	---	---
20	---	---	---	0.002	0.001	0.015	0.001	0	0	0	---	---
21	---	---	---	0.002	0.001	0.030	0.001	0	0	0	---	---
22	---	---	---	0.002	0.001	0.047	0.001	0	0	0	---	---
23	---	---	---	0.002	0.001	0.016	0	0	0	0	---	---
24	---	---	---	0.002	0.001	0.008	0	0	0	0	---	---
25	---	---	---	0.002	0.001	0.005	0	0	0	0	---	---
26	---	---	---	0.002	0.001	0.003	0	0	0	0	---	---
27	---	---	0A	0.001	0.001	0.002	0	0	0	0	---	---
28	---	---	---	0.001	0.001	0.002	0.001	0	0	0	---	---
29	---		---	0.003	0.001	0.002	0.001	0	0	0	---	---
30	---		---	0.002	0.001	0.002	0	0.001	0	0	---	---
31	---		---		0.001		0	0		0		0E
TOTAL	---	---	---	0.047	0.031	0.173	0.053	0.001	0	0	---	---
MEAN	---	---	---	0.002	0.001	0.006	0.002	0	0	0	---	---
MAX	---	---	---	0.003	0.001	0.047	0.009	0.001	0	0	---	---
MIN	---	---	---	0.001	0.001	0	0	0	0	0	---	---

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS APR TO OCT

MEAN, 0.001
MAXIMUM DAILY, 0.047 ON JUN 22
MINIMUM DAILY, 0 ON JUN 01
MAXIMUM INSTANTANEOUS,
0.064 ON JUN 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 35 N
LONG 093 44 38 W
DRAINAGE AREA, 0.54 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	4.58
FEB	---	AUG	0.086
MAR	---	SEP	0
APR	4.06	OCT	0
MAY	2.68	NOV	---
JUN	14.9	DEC	---

TOTAL DISCHARGE, 26.3 dam³

LAKE 304 NEAR KENORA - STATION NO. 05PD018

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	53.654A	53.662	53.820	53.643	53.552	53.508	---	---	1
2	---	---	---	---	53.657	53.672	53.814	53.638	53.549	53.507	---	---	2
3	---	---	---	---	53.659	53.692	53.812	53.634	53.546	53.507	---	---	3
4	---	---	---	---	53.662	53.698	53.808	53.627	53.549	53.506	---	---	4
5	---	---	---	---	53.666	53.701	53.811	53.620	53.546	53.502	---	---	5
6	---	---	---	---	53.671	53.706	53.803	53.617	53.544	53.500	---	---	6
7	---	---	---	---	53.674	53.706	53.813	53.614	53.537	53.496	---	---	7
8	---	---	---	---	53.675	53.713	53.832	53.610	53.533	53.494	---	---	8
9	---	---	---	---	53.678	53.716	53.832	53.607	53.529	53.492	---	---	9
10	---	---	---	---	53.688	53.714	53.828	53.604	53.526	53.491	---	---	10
11	---	---	---	---	53.691	53.713	53.823	53.598	53.524	53.486	---	---	11
12	---	---	---	---	53.697	53.717	53.816	53.594	53.520	53.487	---	---	12
13	---	---	---	---	53.698	53.717	53.809	53.593	53.516	53.487	---	---	13
14	---	---	---	---	53.696	53.717	53.802	53.588	53.514	53.487	---	---	14
15	---	---	---	---	53.696	53.714	53.796	53.585	53.512	53.485	---	---	15
16	---	---	---	---	53.698	53.711	53.787	53.586	53.509	53.485	---	---	16
17	---	---	---	---	53.700	53.737	53.785	53.589	53.505	53.485E	---	---	17
18	---	---	---	---	53.701	53.758	53.781	53.583	53.509	53.485E	---	---	18
19	---	---	---	---	53.700	53.746	53.776	53.580	53.512	53.484E	---	---	19
20	---	---	---	---	53.699	53.760	53.768	53.576	53.508	53.483E	---	---	20
21	---	---	---	---	53.696	53.794	53.765	53.573	53.515	53.482E	---	---	21
22	---	---	---	---	53.696	53.838	53.758	53.571	53.518	53.481E	---	---	22
23	---	---	---	---	53.697	53.853	53.751	53.568	53.518	53.480E	---	---	23
24	---	---	---	---	53.695	53.854	53.708	53.571	53.518	53.479E	---	---	24
25	---	---	---	---	53.691	53.855	53.681	53.568	53.517	53.479E	---	---	25
26	---	---	---	---	53.688	53.856	53.667	53.564	53.514	53.479	---	---	26
27	---	---	---	---	53.685	53.850	53.658	53.566	53.509	53.481	---	---	27
28	---	---	---	---	53.680	53.845	53.665	53.568	53.510	53.484	---	---	28
29	---		---	---	53.675	53.836	53.658	53.564	53.510	53.481	---	---	29
30	---		---	---	53.670	53.827	53.653	53.560	53.508	53.481	---	---	30
31	---		---		53.667		53.647	53.555		53.481A		---	31
MEAN	---	---	---	---	53.684	53.756	53.765	53.591	53.523	53.489	---	---	MEAN
MAX	---	---	---	---	53.701	53.856	53.832	53.643	53.552	53.508	---	---	MAX
MIN	---	---	---	---	53.654	53.662	53.647	53.555	53.505	53.479	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 53.856 ON JUN 26
MINIMUM DAILY, 53.479E ON OCT 24
MAXIMUM INSTANTANEOUS,
53.859 AT 21:04 CST ON JUN 25

WATER LEVELS ARE REFERRED TO ASSUMED DATUM NO. 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 27 N
LONG 093 44 53 W
DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW
DRAINAGE AREA,
0.26 km²

LAKE 373 OUTFLOW NEAR KENORA - STATION NO. 05QD026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0E	---	---	0 E	0.009	0.004	0.013	0.004	0E	0	0	---	1
2	---	---	---	0 E	0.009	0.007	0.013	0.003	0E	0	0	---	2
3	---	---	---	0 A	0.009	0.010	0.013	0.003	0E	0	0	---	3
4	---	---	---	0 E	0.009	0.009	0.013	0.003	0E	0	0	---	4
5	---	---	---	0 E	0.009	0.009	0.013	0.003	0	0	0	---	5
6	---	---	---	0 E	0.009	0.009	0.012	0.002	0	0	0	---	6
7	---	---	---	0 E	0.009	0.008	0.013	0.002	0	0	0	---	7
8	---	---	---	0 E	0.009	0.010	0.013	0.002	0	0	0	---	8
9	---	---	---	0 E	0.008	0.011	0.012	0.001	0	0	0	---	9
10	---	---	---	0 A	0.008	0.010	0.012	0.001	0	0	0	---	10
11	---	---	---	0 A	0.007	0.010	0.011	0.001	0	0	0	---	11
12	---	0A	0A	0	0.007	0.011	0.011	0.001	0	0	0	---	12
13	---	---	---	0	0.008	0.010	0.011	0.001	0	0	0	---	13
14	---	---	0A	0	0.008	0.010	0.010	0	0	0	0	0A	14
15	---	---	---	0	0.008	0.009	0.010	0	0	0	0A	---	15
16	0A	---	---	0	0.008	0.009	0.009	0	0	0	---	---	16
17	---	---	---	0	0.008	0.013	0.009	0.001	0	0	---	---	17
18	---	---	---	0	0.008	0.013	0.008	0	0	0	---	---	18
19	---	---	---	0	0.008	0.013	0.008	0	0	0	---	---	19
20	---	---	---	0	0.007	0.014	0.007	0	0	0	---	---	20
21	---	---	---	0	0.007	0.016	0.007	0	0	0	---	---	21
22	---	---	---	0	0.007	0.017	0.006	0 E	0	0	---	---	22
23	---	---	---	0	0.007	0.016	0.005	0 E	0	0	---	---	23
24	---	---	---	0.001	0.007	0.016	0.005	0 E	0	0	---	---	24
25	---	---	---	0.005	0.007	0.016	0.004	0 E	0	0	---	---	25
26	---	---	---	0.008	0.006	0.015	0.004	0 E	0	0	---	---	26
27	---	---	---	0.007	0.006	0.015	0.004	0 E	0	0	---	---	27
28	---	---	0A	0.008	0.006	0.015	0.006	0 E	0	0	---	---	28
29	---		---	0.009	0.005	0.014	0.005	0 E	0	0	---	---	29
30	---		---	0.009	0.004	0.014	0.005	0 E	0	0	---	---	30
31	---		---		0.004		0.004	0 E		0		0E	31
TOTAL	---	---	---	0.047	0.231	0.353	0.276	0.028	0	0	---	---	TOTAL
MEAN	---	---	---	0.002	0.008	0.012	0.009	0.001	0	0	---	---	MEAN
MAX	---	---	---	0.009	0.009	0.017	0.013	0.004	0	0	---	---	MAX
MIN	---	---	---	0	0.004	0.004	0.004	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.017 ON JUN 22
MINIMUM DAILY, 0A ON MAR 12
MAXIMUM INSTANTANEOUS,
0.019 ON JUN 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 44 45 N
LONG 093 47 30 W

A - MANUAL GAUGE

E - ESTIMATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	23.8
FEB	---	AUG	2.42
MAR	---	SEP	0
APR	4.06	OCT	0
MAY	20.0	NOV	---
JUN	30.5	DEC	---

LAKE 382 OUTFLOW - STATION NO. 05QD025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0E	---	---	0E	0	0	0.056	---	0	0	---	---
2	---	---	---	0E	0	0.001	0.049	---	0	0	---	---
3	---	---	---	0E	0	---	0.051	---	0	0	---	---
4	---	---	---	0A	0	---	0.049	---	0	0	---	---
5	---	---	---	0	0	---	0.044	---	0	0	---	---
6	---	---	---	0	0	---	0.039	---	0	0	---	---
7	---	---	---	0	0	---	0.044	---	0	0	---	---
8	---	---	---	0	0	---	0.054	0.001	0	0	---	---
9	---	---	---	0	0	---	0.052	0.001	0	0	---	---
10	---	---	---	0	0	---	0.046	0	0	0	---	---
11	---	---	---	0A	0	---	0.040	0	0	0A	---	---
12	---	0A	0A	0	0	---	0.038	0	0	0E	---	---
13	---	---	---	0	0	---	0.035	0	0	0E	---	---
14	---	---	---	0	0	---	0.033	0	0	0E	---	---
15	0A	---	---	0	0	---	0.030	0	0	0E	---	---
16	---	---	---	0	0	---	0.026	0	0	0E	---	---
17	---	---	---	0	0.001	---	0.027	0	0	0E	---	---
18	---	---	---	0	0.001	---	0.024	0	0	0E	---	---
19	---	---	---	0	0.001	---	0.022	0	0	0E	---	---
20	---	---	---	0	0.001	---	0.019	0	0	0E	---	---
21	---	---	---	0	0.002	0.113	0.018	0	0	0E	---	---
22	---	---	---	0	0.002	0.141	0.016	0	0	0E	---	---
23	---	---	---	0	0.001	0.143	0.015	0	0	0E	---	---
24	---	---	---	0	0.001	0.131	---	0	0	0E	---	---
25	---	---	---	0	0	0.119	---	0	0	0E	---	---
26	---	---	---	0	0	0.108	---	0	0	0E	---	---
27	---	---	0A	0	0	0.096	---	0	0	0E	---	---
28	---	---	---	0	0	0.083	---	0	0	0E	---	---
29	---		---	0	0	0.073	---	0	0	0E	---	---
30	---		---	0	0	0.062	---	0	0	0E	---	---
31	---		---		0		---	0		0E		0E
TOTAL	---	---	---	0	0.010	---	---	---	0	0	---	---
MEAN	---	---	---	0	0	---	---	---	0	0	---	---
MAX	---	---	---	0	0.002	---	---	---	0	0	---	---
MIN	---	---	---	0	0	---	---	---	0	0	---	---

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.143 ON JUN 23
MINIMUM DAILY, 0E ON APR 01
MAXIMUM INSTANTANEOUS, 0.146 ON JUN 23

DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 42 30 N
LONG 093 40 47 W
DRAINAGE AREA, 2.03 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	0
APR	0	OCT	0
MAY	0.864	NOV	---
JUN	---	DEC	---

LAKE 470 OUTLET NEAR KENORA - STATION NO. 05PD017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0.003	0.001	0.001	0.116E	0.038	0	0	0	0
2	0	0	0	0.003	0.001	0.002	0.092	0.001	0	0	0	0
3	0	0	0	0.004	0.001	0.010	0.089	0.001	0	0	0	0
4	0	0	0	0.004	0.001	0.002	0.051	0.001	0	0	0	0
5	0	0	0	0.003	0.001	0.003	0.005	0.001	0	0	0	0
6	0	0	0	0.003	0.001	0.004	0.002	0.001	0	0	0	0
7	0	0	0	0.003	0.001	0.003	0	0	0	0	0	0
8	0	0	0	0.003	0.001	0.006	0.001	0	0	0	0	0
9	0	0	0	0.003	0.001	0.005	0.066	0.001	0	0	0	0
10	0	0	0	0.002	0.001	0.003	0.007	0.001	0	0	0	0
11	0	0	0	0	0.001	0.003	0.043	0	0	0	0	0
12	0	0	0	0	0.001	0.004	0.005	0	0	0	0	0
13	0	0	0	0	0.002	0.003	0	0	0	0	0	0
14	0	0	0	0	0.003	0.002	0	0	0	0	0	0
15	0	0	0	0	0.002	0.002	0	0	0	0	0	0
16	0	0	0	0	0.002	0.002	0	0	0	0	0	0
17	0	0	0	0	0.003	0.014	0	0	0	0	0	0
18	0	0	0	0	0.002	0.067	0	0	0	0	0	0
19	0	0	0	0	0.002	0.043	0	0	0	0	0	0
20	0	0	0	0	0.002	0.077	0	0	0	0	0	0
21	0	0	0	0	0.002	0.123	0	0	0	0	0	0
22	0	0	0	0	0.002	0.183	0	0	0	0	0	0
23	0	0	0	0	0.002	0.080	0	0	0	0	0	0
24	0	0	0	0.001	0.002	0.042	0.001	0	0	0	0	0
25	0	0	0	0.001	0.002	0.032	0	0	0	0	0	0
26	0	0	0	0.001	0.001	0.023	0	0	0	0	0	0
27	0	0	0	0.001	0.001	0.014	0	0	0	0	0	0
28	0	0	0	0.001	0.001	0.008	0.001	0	0	0	0	0
29	0		0	0.001	0.001	0.008	0	0	0	0	0	0
30	0		0	0.001	0.001	0.005	0.001	0	0	0	0	0
31	0		0.001		0.001		0.001	0		0		0
TOTAL	0	0	0.001	0.038	0.046	0.794	0.391	0.045	0	0	0	0
MEAN	0	0	0	0.001	0.002	0.027	0.013	0.002	0	0	0	0
MAX	0	0	0.001	0.004	0.003	0.183	0.116	0.038	0	0	0	0
MIN	0	0	0	0	0.001	0.001	0	0	0	0	0	0

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.004
MAXIMUM DAILY, 0.183 ON JUN 22
MINIMUM DAILY, 0 ON JAN 01

DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 23 N
LONG 093 43 57 W
DRAINAGE AREA, 1.68 km²

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	33.8
FEB	0	AUG	3.89
MAR	0.086	SEP	0
APR	3.28	OCT	0
MAY	3.97	NOV	0
JUN	68.6	DEC	0

TOTAL DISCHARGE, 114 dam³

LAKE 661 OUTLET NEAR KENORA - STATION NO. 05PD028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0E	---	---	0 E	0.009	0.001	0.005	0.001	0	0	---	---	1
2	---	---	---	0 E	0.008	0.002	0.004	0.001	0	0	---	---	2
3	---	---	---	0 A	0.007	0.004	0.004	0.001	0	0	---	---	3
4	---	---	---	0 A	0.006	0.004	0.004	0.001	0	0	---	---	4
5	---	---	---	0	0.006	0.005	0.004	0	0	0	---	---	5
6	---	---	---	0	0.005	0.004	0.003	0	0	0	---	---	6
7	---	---	---	0	0.005	0.004	0.007	0	0	0	---	---	7
8	---	---	---	0	0.006	0.004	0.024	0	0	0	---	---	8
9	---	---	---	0	0.005	0.004	0.015	0	0	0	---	---	9
10	---	---	---	0	0.005	0.003	0.010	0	0	0	---	---	10
11	---	---	---	0	0.004	0.003	0.007	0	0	0	---	0.001A	11
12	---	---	0A	0	0.004	0.003	0.009	0	0	0	---	---	12
13	---	---	0A	0.001	0.004	0.002	0.006	0	0	0	---	---	13
14	---	0A	---	0.001	0.004	0.002	0.004	0	0	0	---	---	14
15	---	---	---	0.001	0.004	0.002	0.003	0	0	0	---	---	15
16	0A	---	---	0.001	0.005	0.002	0.002	0	0	0	---	---	16
17	---	---	---	0.001	0.005	0.011	0.003	0	0	0	---	---	17
18	---	---	---	0.002	0.005	0.041	0.002	0	0	0	---	---	18
19	---	---	---	0.002	0.004	0.026	0.002	0	0	0	---	---	19
20	---	---	---	0.003	0.004	0.044	0.002	0	0	0	---	---	20
21	---	---	---	0.003	0.004	0.075	0.001	0	0	0	---	---	21
22	---	---	---	0.004	0.004	0.122	0.001	0	0	0	---	---	22
23	---	---	---	0.005	0.004	0.048	0.001	0	0	0	---	---	23
24	---	---	---	0.006	0.003	0.025	0.001	0	0	0	---	---	24
25	---	---	---	0.006	0.003	0.018	0.001	0	0	0	---	---	25
26	---	---	---	0.006	0.003	0.014	0.003	0	0	0	---	---	26
27	---	---	0A	0.005	0.002	0.011	0.003	0	0	0	---	---	27
28	---	---	---	0.007	0.002	0.009	0.005	0	0	0	---	---	28
29	---		---	0.011	0.002	0.008	0.003	0	0	0	---	---	29
30	---		---	0.010	0.002	0.006	0.002	0	0	0	---	---	30
31	---		---		0.001		0.001	0		0A		0 E	31
TOTAL	---	---	---	0.075	0.135	0.507	0.142	0.004	0	0	---	---	TOTAL
MEAN	---	---	---	0.003	0.004	0.017	0.005	0	0	0	---	---	MEAN
MAX	---	---	---	0.011	0.009	0.122	0.024	0.001	0	0	---	---	MAX
MIN	---	---	---	0	0.001	0.001	0.001	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.004
MAXIMUM DAILY, 0.122 ON JUN 22
MINIMUM DAILY, 0E ON APR 01
MAXIMUM INSTANTANEOUS, 0.169 ON JUN 22

DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 30 N
LONG 093 44 23 W
DRAINAGE AREA, 1.25 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	12.3
FEB	---	AUG	0.346
MAR	---	SEP	0
APR	6.48	OCT	0
MAY	11.7	NOV	---
JUN	43.8	DEC	---

TOTAL DISCHARGE, 74.6 dam³

LAKE COUCHICHING OUTFLOW AT WASHAGO - STATION NO. 02EC017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	42.7	41.2	49.6	29.1	42.8	33.9	19.0	37.2	22.4	16.0	16.8	22.5	1
2	42.6	41.0	55.1	29.6	37.3	34.0	19.2	38.2	22.2	15.8	16.8	22.3	2
3	39.8	41.0	56.4	30.4	32.5	34.1	19.4	37.9	22.1	15.4	16.5	30.3	3
4	32.7	41.0	56.1	31.3	25.9	34.2	19.4	37.3	20.7	18.8	16.2	37.6	4
5	32.2	41.0	55.6	32.2	21.2	34.2	17.8	36.6	19.4	17.3	16.0	28.0	5
6	31.5	41.2	55.5	37.2	21.2	34.4	17.4	36.0	20.3	17.2	16.4	34.8	6
7	30.8	41.2	55.2	40.2	21.2	34.6	18.0	37.7	20.1	17.1	17.2	35.1	7
8	30.1	41.0	51.5	39.7	22.1	34.6	18.5	39.1	19.8	17.0	16.8	34.3	8
9	30.0	41.2	45.3	47.1	21.9	33.4	19.1	39.0	19.6	16.9	17.2	33.5	9
10	30.0	41.2	45.8	54.7	23.3	32.3	23.0	39.0	19.3	17.3	16.5	32.7	10
11	30.2	41.3	46.1	53.9	23.8	25.4	24.7	38.2	19.3	18.0	15.9	33.8	11
12	30.5	41.3	46.9	64.6	23.4	22.1	26.1	37.3	19.6	17.5	15.2	34.2	12
13	30.4	41.9	52.7	74.5	24.4	21.0	26.4	36.5	19.0	17.2	16.9	34.6	13
14	30.3	41.3	59.1	76.9	24.4	21.0	26.8	36.2	19.5	18.2	19.0	33.6	14
15	32.8	41.3	61.3	70.3	27.7	22.1	27.0	37.7	18.7	18.6	20.4	33.7	15
16	34.5	41.3	48.1	69.7	29.6	22.3	27.2	38.9	17.8	17.7	20.6	34.1	16
17	34.5	41.5	37.5	66.1	30.3	22.5	30.0	38.2	17.0	18.5	20.6	34.4	17
18	30.1	41.6	37.9	73.3	32.1	22.7	31.6	37.8	17.0	19.4	20.6	34.4	18
19	27.7	45.2	38.3	78.0	32.1	31.0	31.5	37.5	16.8	16.8	20.6	34.4	19
20	23.8	46.9	38.3	80.5	32.2	33.0	33.0	37.2	16.8	17.1	20.7	32.1	20
21	20.6	46.4	28.9	82.8	32.2	29.5	32.6	36.8	16.7	17.5	20.9	31.4	21
22	20.7	46.6	15.1	81.5	29.7	23.1	32.0	36.8	16.7	17.8	29.8	30.9	22
23	25.4	43.6	15.2	80.4	47.0	20.5	37.5	36.8	16.7	16.7	30.4	31.6	23
24	28.6	41.2	17.0	80.4	50.3	18.9	41.4	36.8	16.7	17.1	29.8	32.3	24
25	28.3	41.3	18.8	81.2	60.3	18.9	41.1	35.9	16.7	16.2	29.2	31.0	25
26	28.5	41.5	23.2	81.0	63.0	19.5	41.0	35.1	16.6	16.2	30.2	29.6	26
27	28.6	44.8	27.8	81.0	60.7	17.1	41.0	34.2	15.9	16.2	33.6	28.3	27
28	28.7	44.7	28.2	80.8	52.1	16.5	40.2	33.4	15.9	16.2	36.9	29.6	28
29	28.8		28.0	81.4	46.1	16.4	39.6	32.6	15.9	16.2	36.1	27.6	29
30	29.0		28.3	66.3	45.1	16.7	38.9	32.6	16.0	16.8	27.7	13.5	30
31	36.5		28.8		40.2		36.8	25.0		15.9		13.4	31
TOTAL	950.7	1 184.7	1 245.1	1 869.5	1 083.0	784.2	892.3	1 124.9	550.7	531.3	661.5	949.8	TOTAL
MEAN	30.7	42.3	40.2	62.3	34.9	26.1	28.8	36.3	18.4	17.1	22.1	30.6	MEAN
MAX	42.7	46.9	61.3	82.8	63.0	34.6	41.4	39.1	22.4	19.4	36.9	37.6	MAX
MIN	20.6	41.0	15.1	29.1	21.2	17.1	17.4	25.0	15.9	15.4	15.2	13.4	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 32.4
MAXIMUM DAILY, 82.8 ON APR 21
MINIMUM DAILY, 13.4 ON DEC 31

LOCATION - LAT N
LONG W
DRAINAGE AREA, 3 700 km²

REGULATED

REMARKS - DATA IS SUMMATION OF FLOWS AT STATIONS 02EC004 AND 02EC016

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	82 100	JUL	77 100
FEB	102 000	AUG	97 200
MAR	108 000	SEP	47 600
APR	162 000	OCT	45 900
MAY	93 600	NOV	57 200
JUN	67 800	DEC	82 100

TOTAL DISCHARGE, 1 020 000 dam³

LAKE ERIE AT BAR POINT - STATION NO. 02GH009

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	173.69	173.88	174.05	174.15	174.11	174.31	174.23	174.24	174.20	174.04	174.09	173.82
2	173.68	173.93	174.01	174.10	174.23	174.30	174.26	174.24	174.20	174.10	174.06	174.03
3	173.79	174.00	174.12	173.99	174.26	174.13	174.25	174.23	174.27	174.21	174.05	174.37
4	173.76	173.91	174.11	174.06	174.36	174.20	174.17	174.24	174.20	173.95	174.08	173.55
5	173.80	173.91	174.31	174.04	174.18	174.28	174.24	174.17	174.16	174.01	174.17	173.88
6	173.79	173.87	174.29	174.17	174.19	174.25	174.25	174.18	174.20	174.06	173.75	173.91
7	173.75	173.93	174.34	174.03	174.17	174.28	174.29	174.19	174.22	174.09	173.97	174.03
8	173.83	173.95	174.22	174.15	174.19	174.31	174.24	174.21	174.34	174.17	174.08	173.96
9	173.82	173.92	174.11	174.14	174.24	174.22	174.23	174.22	174.28	174.20	174.08	173.96
10	173.72	173.85	174.13	174.13	173.85	174.24	174.23	174.20	174.21	174.20	173.97	174.00
11	173.66	173.95	174.16	174.12	173.93	174.28	174.30	174.19	174.26	174.11	173.70	174.10
12	173.51	173.96	174.12	174.15	174.28	174.32	174.39	174.19	174.25	174.18	173.94	174.04
13	173.69	173.93	174.12	174.22	174.22	174.30	174.40	174.24	174.27	174.17	174.00	173.85
14	173.85	174.05	174.15	174.19	174.28	174.27	174.30	174.24	174.16	174.16	174.04	174.07
15	173.78	174.26	174.16	174.17	174.24	174.27	174.25	174.20	174.12	173.96	174.01	174.03
16	173.80	173.83	174.15	174.23	174.27	174.30	174.22	174.19	174.25	174.19	173.89	173.90
17	173.80	173.93	174.08	174.03	174.10	174.30	174.21	174.23	174.25	174.17	174.04	174.09
18	173.74	174.05	174.02	174.16	174.09	174.18	174.23	174.21	174.25	173.66	174.09	173.96
19	173.85	173.85	174.13	174.21	174.33	174.23	174.24	174.38	174.18	174.00	174.04	174.04
20	173.91	173.98	174.11	174.20	174.32	174.31	174.22	174.29	174.21	174.20	174.05	174.19
21	173.76	174.02	174.14	174.22	174.34	174.23	174.26	174.34	174.25	174.12	174.10	174.10
22	173.72	174.07	174.12	174.22	174.32	174.28	174.35	174.29	173.99	174.13	174.01	174.07
23	173.92	174.08	174.04	174.23	174.29	173.98	174.20	174.28	173.96	174.14	173.87	174.08
24	173.78	173.92	174.15	174.23	174.30	174.20	174.23	174.24	173.99	174.10	173.94	173.79
25	173.80	173.97	174.05	174.20	174.32	174.26	174.26	174.23	174.06	174.08	173.95	173.94
26	173.61	174.16	174.08	174.21	174.32	174.24	174.25	174.20	174.13	174.10	174.16	173.99
27	173.88	174.08	174.17	174.23	174.28	174.25	174.29	174.19	174.17	174.05	174.04	174.23
28	173.76	174.07	174.13	174.23	174.32	174.32	174.28	174.16	174.15	173.85	173.81	174.15
29	173.90		174.26	174.23	174.29	174.24	174.26	174.26	174.10	174.10	173.89	174.13
30	173.88		174.17	174.22	174.28	174.24	174.24	174.28	174.08	174.05	173.99	174.14
31	173.85		174.15		174.28		174.22	174.29		174.11		174.11
MEAN	173.78	173.98	174.14	174.16	174.23	174.25	174.26	174.23	174.18	174.09	174.00	174.02
MAX	173.92	174.26	174.34	174.23	174.36	174.32	174.40	174.38	174.34	174.21	174.17	174.37
MIN	173.51	173.83	174.01	173.99	173.85	173.98	174.17	174.15	173.96	173.66	173.70	173.55

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 174.11
MAXIMUM DAILY, 174.40 ON JUL 13
MINIMUM DAILY, 173.51 ON JAN 12
MAXIMUM INSTANTANEOUS,
175.06 AT 08:30 EST ON DEC 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 03 00 N
LONG 083 06 40 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 12005 BAR POINT

LAKE ERIE AT ERIEAU - STATION NO. 02GF002

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	173.72	173.87	174.09	174.14	174.18	174.28	174.22	174.21	174.20	174.10	174.08	173.94
2	173.72	173.90	174.08	174.14	174.19	174.28	174.23	174.20	174.17	174.10	174.07	173.99
3	173.76	173.94	174.11	174.11	174.20	174.27	174.26	174.20	174.20	174.15	174.05	174.16
4	173.75	173.90	174.10	174.13	174.23	174.26	174.20	174.21	174.19	174.06	174.05	173.92
5	173.76	173.92	174.15	174.12	174.21	174.28	174.22	174.18	174.17	174.08	174.13	173.98
6	173.76	173.91	174.14	174.16	174.21	174.27	174.22	174.18	174.18	174.10	173.97	174.00
7	173.76	173.93	174.15	174.14	174.20	174.27	174.22	174.19	174.21	174.10	174.03	174.04
8	173.78	173.94	174.13	174.15	174.20	174.29	174.22	174.20	174.26	174.13	174.06	174.02
9	173.78	173.93	174.12	174.15	174.21	174.27	174.22	174.19	174.25	174.16	174.07	174.01
10	173.76	173.91	174.12	174.16	174.14	174.27	174.22	174.19	174.23	174.18	174.03	174.01
11	173.75	173.94	174.14	174.18	174.13	174.28	174.23	174.18	174.23	174.13	173.92	174.06
12	173.69	173.95	174.13	174.18	174.21	174.29	174.24	174.18	174.23	174.15	173.96	174.05
13	173.73	173.94	174.12	174.20	174.22	174.28	174.24	174.22	174.23	174.16	174.01	173.97
14	173.81	173.95	174.14	174.21	174.23	174.27	174.25	174.22	174.22	174.16	174.04	174.04
15	173.79	174.05	174.14	174.19	174.23	174.27	174.24	174.21	174.19	174.09	174.03	174.05
16	173.79	173.96	174.14	174.21	174.26	174.27	174.24	174.20	174.21	174.15	173.99	173.99
17	173.80	173.98	174.14	174.15	174.22	174.28	174.25	174.20	174.21	174.16	174.02	174.07
18	173.79	174.03	174.11	174.18	174.24	174.26	174.25	174.21	174.21	174.03	174.06	174.03
19	173.82	173.96	174.13	174.19	174.27	174.27	174.25	174.20	174.21	174.08	174.04	174.06
20	173.84	174.00	174.12	174.20	174.30	174.27	174.22	174.25	174.19	174.15	174.04	174.12
21	173.83	174.01	174.14	174.21	174.28	174.26	174.22	174.24	174.21	174.13	174.06	174.09
22	173.81	174.04	174.14	174.21	174.27	174.27	174.24	174.24	174.14	174.12	174.04	174.10
23	173.87	174.06	174.12	174.22	174.27	174.24	174.22	174.23	174.11	174.12	173.99	174.11
24	173.84	174.07	174.14	174.22	174.28	174.24	174.23	174.22	174.10	174.12	173.98	174.05
25	173.85	174.04	174.12	174.21	174.28	174.25	174.24	174.21	174.13	174.08	173.99	174.08
26	173.80	174.12	174.10	174.21	174.28	174.25	174.23	174.20	---	174.10	174.07	174.08
27	173.87	174.10	174.14	174.21	174.28	174.25	174.24	174.20	---	174.09	174.05	174.16
28	173.84	174.10	174.13	174.21	174.28	174.26	174.24	174.18	174.14	174.00	173.97	174.15
29	173.87		174.15	174.20	174.28	174.24	174.23	174.21	174.15	174.08	173.98	174.15
30	173.87		174.15	174.20	174.27	174.25	174.21	174.21	174.14	174.06	174.01	174.18
31	173.87		174.15		174.27		174.20	174.21		174.10		174.20
MEAN	173.80	173.98	174.13	174.18	174.24	174.27	174.23	174.21	---	174.11	174.03	174.06
MAX	173.87	174.12	174.15	174.22	174.30	174.29	174.25	174.25	---	174.18	174.13	174.20
MIN	173.69	173.87	174.08	174.11	174.13	174.24	174.20	174.18	---	174.00	173.92	173.92

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 174.30 ON MAY 20
MINIMUM DAILY, 173.69 ON JAN 12
MAXIMUM INSTANTANEOUS,
174.40 AT 02:15 EST ON MAY 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 15 37 N
LONG 081 54 52 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 12250 ERIEAU

LAKE ERIE AT KINGSVILLE - STATION NO. 02GH010

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	173.65	173.85	174.05	174.15	174.14	174.30	174.23	174.23	174.20	174.05	174.07	173.83	1
2	173.63	173.91	174.03	174.13	174.21	174.29	174.25	174.23	174.19	174.10	174.05	174.02	2
3	173.74	173.96	174.13	174.04	174.22	174.17	174.25	174.22	174.25	174.16	174.03	174.29	3
4	173.71	173.89	174.11	174.08	174.30	174.23	174.18	174.22	174.19	173.98	174.06	173.63	4
5	173.74	173.89	174.26	174.07	174.18	174.28	174.23	174.18	174.16	174.02	174.14	173.90	5
6	173.74	173.87	174.25	174.17	174.20	174.25	174.24	174.19	174.19	174.05	173.81	173.93	6
7	173.70	173.91	174.27	174.06	174.17	174.28	174.26	174.20	174.22	174.08	173.98	174.02	7
8	173.76	173.92	174.19	174.15	174.18	174.30	174.23	174.21	174.31	174.15	174.08	173.97	8
9	173.76	173.90	174.11	174.14	174.22	174.24	174.23	174.21	174.27	174.19	174.07	173.95	9
10	173.68	173.86	174.13	174.14	173.94	174.26	174.22	174.19	174.21	174.18	173.99	173.99	10
11	173.61	173.93	174.15	174.15	174.01	174.28	174.27	174.19	174.25	174.11	173.76	174.07	11
12	173.56	173.94	174.12	174.16	174.24	174.31	174.35	174.19	174.24	174.17	173.95	174.02	12
13	173.69	173.91	174.12	174.21	174.22	174.29	174.34	174.23	174.25	174.17	174.01	173.89	13
14	173.80	174.01	174.15	174.19	174.25	174.27	174.28	174.23	174.18	174.15	174.03	174.06	14
15	173.76	174.19	174.15	174.17	174.24	174.27	174.25	174.20	174.15	174.00	174.00	174.02	15
16	173.78	173.86	174.14	174.22	174.26	174.29	174.22	174.19	174.24	174.16	173.91	173.92	16
17	173.78	173.95	174.09	174.08	174.14	174.29	174.22	174.22	174.24	174.15	174.04	174.07	17
18	173.75	174.02	174.06	174.17	174.14	174.22	174.23	174.21	174.23	173.74	174.07	173.98	18
19	173.83	173.88	174.14	174.20	174.30	174.24	174.24	174.36	174.18	174.03	174.03	174.05	19
20	173.87	173.98	174.12	174.20	174.30	174.30	174.22	174.28	174.20	174.16	174.04	174.16	20
21	173.77	174.00	174.14	174.21	174.31	174.25	174.24	174.30	174.23	174.10	174.07	174.10	21
22	173.71	174.05	174.12	174.21	174.28	174.28	174.31	174.27	174.04	174.12	174.01	174.08	22
23	173.88	174.07	174.09	174.22	174.26	174.00	174.21	174.26	174.02	174.13	173.89	174.11	23
24	173.76	---	174.15	174.22	174.28	174.22	174.52	174.23	174.02	174.08	173.94	173.88	24
25	173.74	174.06	174.07	174.20	174.29	174.26	174.25	174.21	174.05	174.08	173.95	173.96	25
26	173.64	174.11	174.08	174.21	174.28	174.25	174.24	174.20	174.13	174.10	174.12	174.02	26
27	173.83	174.06	174.16	174.22	174.27	174.25	174.27	174.19	174.16	174.04	174.03	174.20	27
28	173.79	174.08	174.12	174.21	174.28	174.30	174.26	174.16	174.14	173.91	173.86	174.14	28
29	173.88		174.22	174.22	174.27	174.24	174.25	174.23	174.15	174.08	173.91	174.13	29
30	173.86		174.16	174.21	174.26	174.25	174.23	174.25	174.10	174.04	173.96	174.16	30
31	173.84		174.15		174.27		174.22	174.25		174.10		174.14	31
MEAN	173.75	---	174.14	174.17	174.22	174.26	174.25	174.22	174.18	174.08	174.00	174.02	MEAN
MAX	173.88	---	174.27	174.22	174.31	174.31	174.35	174.36	174.31	174.19	174.14	174.29	MAX
MIN	173.56	---	174.03	174.04	173.94	174.08	174.18	174.16	174.02	173.74	173.76	173.63	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 174.36 ON AUG 19
MINIMUM DAILY, 173.56 ON JAN 12
MAXIMUM INSTANTANEOUS,
174.84 AT 09:05 EST ON DEC 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 01 36 N
LONG 082 44 05 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 12065 KINGSVILLE

LAKE ERIE AT PORT COLBORNE - STATION NO. 02HA017

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	173.92	173.85	174.17	174.09	174.21	174.22	174.23	174.17	174.19	174.24	174.04	174.22	1
2	173.90	173.73	174.18	174.13	174.14	174.25	174.22	174.18	174.19	174.17	174.08	173.94	2
3	173.74	173.75	174.06	174.17	174.10	174.41	174.23	174.17	174.07	174.09	174.08	173.79	3
4	173.80	173.85	174.09	174.23	174.02	174.33	174.33	174.17	174.16	174.31	174.01	174.53	4
5	173.77	173.95	173.91	174.25	174.19	174.27	174.21	174.21	174.19	174.25	173.93	174.25	5
6	173.79	173.96	173.83	174.12	174.23	174.28	174.15	174.16	174.19	174.19	174.42	174.17	6
7	173.82	173.91	173.88	174.22	174.27	174.25	174.16	174.18	174.20	174.11	174.11	174.07	7
8	173.74	173.91	173.99	174.16	174.22	174.24	174.19	174.17	174.13	173.99	174.02	174.10	8
9	173.75	173.94	174.08	174.15	174.16	174.29	174.22	174.15	174.19	173.92	174.06	174.16	9
10	173.89	174.01	174.08	174.12	174.43	174.28	174.21	174.16	174.25	174.01	174.09	174.07	10
11	173.97	173.91	174.04	174.21	174.40	174.25	174.14	174.17	174.19	174.13	174.40	173.96	11
12	174.02	173.91	174.11	174.17	174.15	174.24	174.01	174.16	174.20	174.06	174.14	174.06	12
13	173.90	173.96	174.13	174.17	174.17	174.25	174.02	174.19	174.17	174.11	174.05	174.18	13
14	173.74	173.79	174.09	174.19	174.17	174.26	174.14	174.21	174.28	174.14	174.05	173.98	14
15	173.80	173.62	174.09	174.23	174.19	174.25	174.22	174.23	174.32	174.31	174.08	174.01	15
16	173.76	174.11	174.10	174.16	174.21	174.23	174.25	174.23	174.16	174.11	174.14	174.18	16
17	173.79	174.10	174.18	174.27	174.40	174.23	174.25	174.19	174.17	174.15	173.96	173.98	17
18	173.86	174.00	174.24	174.22	174.39	174.31	174.23	174.20	174.18	174.57	173.94	174.13	18
19	173.78	174.16	174.11	174.15	174.23	174.29	174.21	173.96	174.22	174.24	173.99	174.07	19
20	173.73	174.02	174.15	174.18	174.18	174.24	174.24	174.13	174.20	174.06	174.00	173.97	20
21	173.91	174.00	174.14	174.17	174.18	174.29	174.20	174.12	174.17	174.14	173.97	174.04	21
22	173.99	174.00	174.17	174.19	174.21	174.24	174.09	174.13	174.36	174.07	174.05	174.08	22
23	173.79	174.02	174.18	174.17	174.25	174.44	174.24	174.14	174.34	174.04	174.17	174.07	23
24	173.92	174.04	174.10	174.16	174.24	174.32	174.21	174.16	174.40	174.09	174.17	174.42	24
25	173.95	174.17	174.20	174.20	174.22	174.27	174.21	174.17	174.30	174.06	174.13	174.42	25
26	174.09	174.09	174.15	174.19	174.21	174.24	174.20	174.20	174.16	174.05	173.89	174.23	26
27	173.86	174.15	174.08	174.16	174.24	174.24	174.18	174.21	174.12	174.16	174.05	174.03	27
28	173.91	174.12	174.10	174.15	174.21	174.15	174.18	174.25	174.15	174.26	174.24	174.11	28
29	173.76		174.00	174.15	174.27	174.25	174.19	174.20	174.09	174.05	174.13	174.17	29
30	173.86		174.07	174.14	174.25	174.22	174.19	174.18	174.17	174.10	174.12	174.18	30
31	173.85		174.09		174.26		174.19	174.15		173.99		174.31	31
MEAN	173.85	173.97	174.09	174.18	174.22	174.27	174.19	174.17	174.20	174.13	174.08	174.13	MEAN
MAX	174.09	174.17	174.24	174.27	174.43	174.44	174.33	174.25	174.40	174.57	174.42	174.53	MAX
MIN	173.73	173.62	173.83	174.09	174.02	174.15	174.01	173.96	174.07	173.92	173.89	173.79	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 174.12
MAXIMUM DAILY, 174.57 ON OCT 18
MINIMUM DAILY, 173.62 ON FEB 15
MAXIMUM INSTANTANEOUS,
175.60 AT 04:15 EST ON NOV 06

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 52 26 N
LONG 079 15 12 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 12865 PORT COLBORNE

LAKE ERIE AT PORT DOVER - STATION NO. 02GC028

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	173.79	173.82	174.12	174.07	174.16	174.19	174.20	174.15	174.16	174.17	174.03	174.12	1
2	173.79	173.74	174.13	174.10	174.11	174.22	174.19	174.15	174.15	174.10	174.05	173.92	2
3	173.70	173.76	174.00	174.14	174.08	174.34	174.19	174.15	174.08	174.07	174.04	173.85	3
4	173.73	173.83	174.05	174.13	174.03	174.24	174.24	174.15	174.14	174.22	173.99	174.33	4
5	173.71	173.91	173.92	174.16	174.16	174.22	174.17	174.17	174.16	174.17	173.96	174.14	5
6	173.72	173.90	173.88	174.08	174.17	174.23	174.15	174.14	174.14	174.13	174.24	174.09	6
7	173.76	173.87	173.90	174.15	174.21	174.21	174.14	174.14	174.20	174.07	174.05	174.02	7
8	173.71	173.88	173.96	174.11	174.18	174.16	174.16	174.14	174.14	174.00	174.00	174.04	8
9	173.72	173.90	174.04	174.11	174.14	174.25	174.18	174.13	174.17	173.95	174.04	174.08	9
10	173.81	173.93	174.04	174.09	174.33	174.23	174.17	174.14	174.21	174.02	174.04	174.01	10
11	173.88	173.87	174.02	174.15	174.26	174.22	174.13	174.13	174.17	174.10	174.23	173.95	11
12	173.88	173.88	174.08	174.16	174.08	174.21	174.04	174.13	174.18	174.05	174.04	174.03	12
13	173.81	173.93	174.08	174.13	174.13	174.22	174.04	174.17	174.17	174.09	173.99	174.07	13
14	173.71	173.79	174.05	174.15	174.14	174.22	174.14	174.17	174.23	174.11	174.01	173.95	14
15	173.76	173.70	174.06	174.17	174.15	174.22	174.20	174.18	174.23	174.21	174.04	174.00	15
16	173.73	174.05	174.09	174.13	174.19	174.20	174.21	174.18	174.14	174.09	174.07	174.09	16
17	173.75	174.00	174.13	174.18	174.29	174.20	174.21	174.16	174.14	174.11	173.94	173.97	17
18	173.80	173.96	174.16	174.15	174.29	174.25	174.19	174.17	174.15	174.39	173.95	174.07	18
19	173.74	174.04	174.07	174.12	174.19	174.23	174.19	174.03	174.19	174.14	173.99	174.03	19
20	173.71	173.97	174.09	174.13	174.17	174.20	174.19	174.13	174.17	174.05	173.98	173.98	20
21	173.86	173.96	174.10	174.14	174.17	174.24	174.17	174.12	174.15	174.11	173.97	174.03	21
22	173.90	173.96	174.15	174.15	174.19	174.21	174.09	174.15	174.27	174.06	174.02	174.06	22
23	173.77	174.00	174.09	174.14	174.21	174.16	174.20	174.14	174.22	174.04	174.09	174.05	23
24	173.87	174.04	174.06	174.13	174.20	174.24	174.18	174.14	174.26	174.07	174.08	174.29	24
25	173.90	174.11	174.12	174.16	174.19	174.22	174.17	174.15	174.23	174.03	174.04	174.28	25
26	173.96	174.06	174.09	174.15	174.19	174.21	174.18	174.16	174.13	174.03	173.91	174.14	26
27	173.84	174.09	174.04	174.13	174.21	174.20	174.16	174.16	174.10	174.12	174.02	174.03	27
28	173.83	174.07	174.06	174.12	174.19	174.14	174.17	174.20	174.10	174.14	174.13	174.11	28
29	173.75		173.98	174.13	174.16	174.21	174.17	174.15	174.08	174.02	174.04	174.14	29
30	173.82		174.06	174.13	174.22	174.19	174.17	174.15	174.13	174.05	174.05	174.16	30
31	173.82		174.06		174.22		174.17	174.13		173.98		174.26	31
MEAN	173.79	173.93	174.05	174.13	174.18	174.22	174.17	174.15	174.17	174.09	174.03	174.07	MEAN
MAX	173.96	174.11	174.16	174.18	174.33	174.36	174.24	174.20	174.27	174.39	174.24	174.33	MAX
MIN	173.70	173.70	173.88	174.07	174.03	174.14	174.04	174.03	174.08	173.95	173.91	173.85	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 174.08
MAXIMUM DAILY, 174.39 ON OCT 18
MINIMUM DAILY, 173.70 ON JAN 03
MAXIMUM INSTANTANEOUS,
175.20 AT 02:00 EST ON NOV 06

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 46 51 N
LONG 080 12 06 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 12710 PORT DOVER

LAKE ERIE AT PORT STANLEY - STATION NO. 02GC027

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	173.76	173.87	174.13	174.12	174.19	174.26	174.22	174.19	174.20	174.13	174.07	174.04	1
2	173.81	173.84	174.12	174.16	174.17	174.27	174.22	174.19	174.17	174.11	174.08	173.95	2
3	173.76	173.87	174.07	174.15	174.16	174.32	174.23	174.19	174.15	174.15	174.06	174.00	3
4	173.76	173.88	174.08	174.13	174.14	174.25	174.24	174.19	174.18	174.13	174.03	174.09	4
5	173.76	173.94	174.05	174.14	174.20	174.26	174.21	174.17	174.17	174.14	174.08	174.05	5
6	173.76	173.92	174.02	174.15	174.20	174.27	174.19	174.17	174.18	174.15	174.05	174.04	6
7	173.79	173.91	174.04	174.16	174.23	174.26	174.19	174.18	174.21	174.11	174.04	174.05	7
8	173.76	173.93	174.06	174.15	174.22	174.27	174.21	174.19	174.21	174.07	174.04	174.04	8
9	173.77	173.94	174.10	174.15	174.20	174.28	174.21	174.17	174.22	174.08	174.07	174.05	9
10	173.78	173.92	174.10	174.15	174.26	174.25	174.20	174.18	174.24	174.12	174.03	174.00	10
11	173.86	173.91	174.10	174.16	174.18	174.27	174.19	174.17	174.21	174.13	174.03	174.02	11
12	173.75	173.93	174.12	174.18	174.17	174.27	174.15	174.17	174.22	174.11	173.97	174.06	12
13	173.76	173.94	174.15	174.19	174.20	174.27	174.14	174.19	174.22	174.13	174.01	174.00	13
14	173.79	173.88	174.15	174.21	174.20	174.26	174.21	174.21	174.25	174.17	174.04	174.01	14
15	173.79	173.91	174.12	174.21	174.22	174.25	174.24	174.21	174.20	174.14	174.05	174.05	15
16	173.78	174.02	174.12	174.19	174.25	174.25	174.24	174.20	174.17	174.13	174.03	174.03	16
17	173.80	173.99	174.15	174.16	174.29	174.25	174.24	174.19	174.18	174.17	173.99	174.04	17
18	173.80	174.02	174.15	174.19	174.27	174.28	174.22	174.21	174.21	174.21	174.02	174.05	18
19	173.80	173.99	174.10	174.17	174.24	174.23	174.22	174.19	174.21	174.10	174.02	174.05	19
20	173.79	173.99	174.11	174.19	174.25	174.25	174.22	174.20	174.19	174.13	174.02	174.06	20
21	173.86	174.01	174.13	174.19	174.25	174.26	174.20	174.19	174.20	174.14	174.04	174.07	21
22	173.87	174.02	174.15	174.19	174.24	174.26	174.18	174.20	174.20	174.10	174.05	174.09	22
23	173.84	174.05	174.11	174.19	174.26	174.23	174.22	174.20	174.14	174.09	174.07	174.08	23
24	173.89	174.08	174.11	174.20	174.25	174.23	174.25	174.20	174.19	174.10	174.02	174.15	24
25	173.93	174.10	174.14	174.20	174.25	174.24	174.22	174.19	174.21	174.06	174.02	174.20	25
26	173.90	174.12	174.09	174.20	174.25	174.24	174.21	174.20	174.13	174.08	174.00	174.09	26
27	173.89	174.15	174.11	174.19	174.26	174.23	174.21	174.19	174.14	174.13	174.06	174.10	27
28	173.85	174.09	174.11	174.19	174.25	174.22	174.22	174.21	174.14	174.03	174.06	174.15	28
29	173.81		174.07	174.19	174.25	174.24	174.22	174.20	174.14	174.06	174.01	174.16	29
30	173.87		174.12	174.19	174.25	174.24	174.21	174.18	174.13	174.07	174.06	174.17	30
31	173.85		174.12		174.26		174.18	174.18		174.06		174.23	31
MEAN	173.81	173.97	174.10	174.17	174.23	174.26	174.21	174.19	174.19	174.11	174.04	174.07	MEAN
MAX	173.93	174.12	174.15	174.21	174.29	174.33	174.24	174.21	174.25	174.21	174.08	174.23	MAX
MIN	173.75	173.84	174.02	174.12	174.14	174.22	174.14	174.17	174.13	174.03	173.97	173.95	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 174.11
MAXIMUM DAILY, 174.33 ON JUN 23
MINIMUM DAILY, 173.75 ON JAN 12
MAXIMUM INSTANTANEOUS,
174.60 AT 16:30 EST ON MAY 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 39 32 N
LONG 081 12 48 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 12400 PORT STANLEY

LAKE HURON AT COLLINGWOOD - STATION NO. 02ED012

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	175.96	175.94	175.97	175.94	176.07	176.12	176.26	176.26	176.23	176.23	176.08	176.22	1
2	176.00	175.85	176.02	175.90	176.05	176.11	176.23	176.25	176.26	176.21	176.14	176.21	2
3	175.93	175.82	175.94	175.98	175.99	176.17	176.23	176.23	176.17	176.08	176.13	175.84	3
4	175.95	175.89	175.88	176.09	175.97	176.22	176.30	176.23	176.20	176.23	176.16	176.06	4
5	175.92	175.92	175.84	176.12	176.05	176.14	176.26	176.28	176.22	176.24	175.95	176.19	5
6	175.92	175.94	175.85	176.06	176.06	176.14	176.24	176.25	176.21	176.18	176.20	176.28	6
7	175.98	175.91	175.85	176.05	176.00	176.16	176.22	176.25	176.22	176.14	176.21	176.20	7
8	175.90	175.92	175.82	176.03	175.94	176.10	176.21	176.25	176.15	176.08	176.18	176.20	8
9	175.89	175.92	175.83	175.97	176.00	176.15	176.28	176.25	176.17	176.04	176.15	176.21	9
10	175.91	176.02	175.88	175.99	175.96	176.21	176.27	176.24	176.22	175.96	176.26	176.25	10
11	175.97	175.94	175.84	176.06	176.17	176.14	176.23	176.23	176.17	176.13	176.37	176.08	11
12	176.04	175.89	175.85	176.06	176.06	176.10	176.20	176.20	176.19	176.14	176.39	176.02	12
13	175.96	175.93	175.93	176.01	176.05	176.14	176.21	176.20	176.15	176.15	176.23	176.29	13
14	175.82	175.90	175.90	175.98	176.05	176.18	176.20	176.24	176.22	176.13	176.14	176.14	14
15	175.86	175.79	175.90	176.06	176.03	176.18	176.21	176.25	176.30	176.23	176.20	176.05	15
16	175.87	175.82	175.93	176.01	175.95	176.15	176.26	176.21	176.19	176.17	176.18	176.12	16
17	175.85	175.91	175.98	176.14	176.09	176.13	176.25	176.24	176.21	176.12	176.16	176.11	17
18	176.02	175.91	176.04	176.06	176.26	176.22	176.30	176.21	176.20	176.23	176.11	176.13	18
19	175.95	176.11	176.00	176.02	176.14	176.23	176.26	176.06	176.20	176.31	176.12	176.15	19
20	175.89	175.95	176.00	176.02	176.04	176.14	176.27	176.11	176.21	176.10	176.11	175.98	20
21	175.81	175.96	175.97	176.03	176.12	176.18	176.28	176.14	176.14	176.16	175.99	176.06	21
22	175.95	175.92	175.95	176.02	176.13	176.16	176.25	176.16	176.27	176.19	176.15	176.15	22
23	175.89	175.90	176.11	176.01	176.13	176.18	176.27	176.17	176.30	176.15	176.19	176.23	23
24	175.87	175.85	176.01	175.98	176.12	176.26	176.27	176.17	176.27	176.17	176.22	176.25	24
25	175.84	175.93	176.05	176.03	176.10	176.21	176.25	176.17	176.23	176.18	176.29	176.26	25
26	175.99	175.91	176.06	176.02	176.11	176.22	176.24	176.20	176.20	176.15	176.05	176.33	26
27	175.97	176.04	175.99	176.00	176.14	176.23	176.22	176.23	176.18	176.19	176.04	176.14	27
28	176.07	175.97	175.98	175.96	176.13	176.18	176.22	176.24	176.17	176.32	176.23	176.05	28
29	175.93		175.89	175.99	176.11	176.19	176.21	176.27	176.11	176.14	176.31	176.13	29
30	175.92		175.92	176.00	176.15	176.24	176.26	176.23	176.17	176.14	176.22	176.16	30
31	175.94		175.96		176.16		176.28	176.23		176.09		176.12	31
MEAN	175.93	175.92	175.94	176.02	176.08	176.17	176.25	176.21	176.20	176.16	176.17	176.15	MEAN
MAX	176.07	176.11	176.11	176.14	176.26	176.26	176.30	176.28	176.30	176.32	176.39	176.33	MAX
MIN	175.81	175.79	175.82	175.90	175.94	176.10	176.20	176.06	176.11	175.96	175.95	175.84	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 176.10
MAXIMUM DAILY, 176.39 ON NOV 12
MINIMUM DAILY, 175.79 ON FEB 15
MAXIMUM INSTANTANEOUS,
176.88 AT 17:30 EST ON NOV 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 30 17 N
LONG 080 13 02 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 11500 COLLINGWOOD

LAKE HURON AT GODERICH - STATION NO. 02FE012

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	176.01	175.95	175.93	176.02	176.11	176.19	176.31	176.31	176.27	176.27	176.14	176.25	1
2	175.98	176.01	176.01	176.07	176.10	176.16	176.29	176.30	176.31	176.27	176.18	176.26	2
3	175.93	175.94	176.00	176.14	176.07	176.22	176.29	176.29	176.23	176.14	176.18	176.08	3
4	175.98	175.97	175.96	176.13	176.06	176.27	176.33	176.28	176.23	176.24	176.23	176.21	4
5	175.97	175.93	175.91	176.16	176.10	176.21	176.31	176.34	176.28	176.27	176.17	176.26	5
6	175.97	175.98	175.92	176.11	176.11	176.22	176.28	176.31	176.25	176.22	176.29	176.31	6
7	175.95	175.95	175.91	176.09	176.10	176.23	176.28	176.31	176.29	176.23	176.30	176.22	7
8	175.92	175.92	175.90	176.08	176.04	176.19	176.26	176.31	176.23	176.19	176.26	176.26	8
9	175.94	175.97	175.90	176.03	176.10	176.22	176.32	176.31	176.24	176.20	176.19	176.21	9
10	175.98	176.02	175.94	176.08	176.06	176.27	176.31	176.30	176.27	176.15	176.29	176.30	10
11	175.94	176.00	175.93	176.12	176.22	176.22	176.30	176.30	176.26	176.17	176.39	176.16	11
12	176.15	175.91	175.91	176.07	176.13	176.16	176.30	176.28	176.24	176.22	176.40	176.10	12
13	176.02	175.97	175.99	176.07	176.11	176.20	176.30	176.30	176.23	176.21	176.28	176.31	13
14	175.92	176.00	175.95	176.06	176.11	176.23	176.29	176.29	176.28	176.19	176.14	176.19	14
15	175.91	175.94	175.95	176.09	176.13	176.24	176.29	176.31	176.36	176.28	176.20	176.15	15
16	175.94	175.91	175.98	176.07	176.08	176.22	176.30	176.28	176.29	176.23	176.24	176.18	16
17	175.89	176.00	176.00	176.15	176.15	176.18	176.29	176.28	176.27	176.16	176.20	176.17	17
18	176.01	175.90	176.08	176.12	176.25	176.27	176.33	176.30	176.27	176.31	176.15	176.18	18
19	175.99	176.07	176.06	176.06	176.22	176.27	176.31	176.22	176.27	176.35	176.15	176.21	19
20	175.97	176.00	176.04	176.07	176.17	176.22	176.32	176.23	176.28	176.19	176.16	176.06	20
21	175.93	175.93	176.02	176.09	176.21	176.25	176.33	176.25	176.21	176.19	176.05	176.12	21
22	175.97	175.98	175.99	176.06	176.20	176.26	176.31	176.27	176.33	176.25	176.18	176.17	22
23	175.96	175.96	176.12	176.07	176.20	176.28	176.31	176.27	176.41	176.21	176.24	176.25	23
24	175.90	176.02	176.07	176.03	176.19	176.32	176.32	176.26	176.31	176.24	176.26	176.28	24
25	175.92	176.01	176.07	176.08	176.18	176.28	176.30	176.26	176.28	176.27	176.28	176.26	25
26	176.01	175.91	176.12	176.07	176.20	176.28	176.30	176.26	176.24	176.22	176.17	176.33	26
27	175.94	176.00	176.04	176.05	176.21	176.29	176.28	176.29	176.21	176.23	176.09	176.20	27
28	176.01	176.02	176.04	176.04	176.22	176.25	176.28	176.27	176.23	176.39	176.23	176.08	28
29	176.00		175.99	176.06	176.13	176.27	176.27	176.32	176.23	176.21	176.34	176.14	29
30	175.93		176.01	176.07	176.21	176.31	176.33	176.29	176.24	176.19	176.21	176.22	30
31	175.99		176.04		176.22		176.30	176.26		176.17		176.17	31
MEAN	175.97	175.97	175.99	176.08	176.15	176.24	176.30	176.29	176.27	176.23	176.22	176.20	MEAN
MAX	176.15	176.07	176.12	176.16	176.25	176.32	176.33	176.34	176.41	176.39	176.40	176.33	MAX
MIN	175.89	175.90	175.90	176.02	176.04	176.16	176.26	176.22	176.21	176.14	176.05	176.06	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 176.16
MAXIMUM DAILY, 176.41 ON SEP 23
MINIMUM DAILY, 175.89 ON JAN 17
MAXIMUM INSTANTANEOUS,
176.73 AT 00:30 EST ON AUG 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 44 45 N
LONG 081 43 44 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 11860 GODERICH

LAKE HURON AT LITTLE CURRENT - STATION NO. 02CG002

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	175.81	175.78	175.88	175.85	175.98	176.05	176.15	176.17	176.15	176.09	176.01	176.13
2	175.90	175.73	175.87	175.78	175.95	176.04	176.18	176.15	176.11	176.10	176.07	176.07
3	175.85	175.73	175.79	175.84	175.90	176.10	176.19	176.15	176.07	176.05	176.05	175.81
4	175.79	175.77	175.78	175.91	175.87	176.10	176.23	176.14	176.13	176.15	176.02	175.83
5	175.83	175.83	175.74	175.94	175.92	176.07	176.16	176.13	176.10	176.14	175.88	176.07
6	175.80	175.81	175.74	175.94	175.94	176.07	176.14	176.11	176.12	176.07	176.00	176.14
7	175.88	175.80	175.75	175.92	175.91	176.08	176.13	176.12	176.07	175.98	176.07	176.13
8	175.84	175.83	175.73	175.94	175.87	176.02	176.15	176.17	176.09	175.95	176.08	176.07
9	175.79	175.80	175.74	175.88	175.89	176.08	176.19	176.16	176.11	175.93	176.09	176.11
10	175.78	175.82	175.78	175.86	175.92	176.08	176.16	176.14	176.12	175.89	176.09	176.07
11	175.88	175.82	175.74	175.90	176.02	176.05	176.12	176.11	176.08	176.05	176.17	176.00
12	175.80	175.82	175.76	175.95	175.99	176.05	176.07	176.08	176.12	176.06	176.14	176.01
13	175.80	175.77	175.82	175.94	175.95	176.07	176.11	176.08	176.07	176.04	176.06	176.10
14	175.79	175.77	175.82	175.88	175.96	176.09	176.09	176.17	176.11	176.07	176.06	176.07
15	175.78	175.72	175.82	175.95	175.93	176.09	176.12	176.15	176.12	176.13	176.09	175.97
16	175.79	175.72	175.86	175.93	175.87	176.05	176.17	176.12	176.03	176.10	176.02	176.00
17	175.79	175.77	175.90	175.95	176.03	176.06	176.17	176.15	176.07	176.06	176.03	176.07
18	175.81	175.84	175.91	175.98	176.17	176.13	176.22	176.08	176.09	176.11	176.04	176.00
19	175.86	175.81	175.86	175.94	176.03	176.11	176.16	175.97	176.09	176.12	176.02	176.01
20	175.79	175.87	175.87	175.92	175.92	176.06	176.16	176.04	176.08	176.07	176.00	175.98
21	175.73	175.88	175.87	175.90	176.00	176.10	176.17	176.07	176.09	176.09	176.01	175.99
22	175.83	175.80	175.86	175.92	176.02	176.08	176.14	176.09	176.15	176.08	176.10	176.08
23	175.83	175.79	175.90	175.90	176.04	176.06	176.15	176.09	176.10	176.06	176.12	176.09
24	175.80	175.71	175.91	175.89	176.03	176.16	176.16	176.10	176.17	176.05	176.12	176.13
25	175.81	175.77	175.94	175.94	176.02	176.14	176.15	176.11	176.12	176.03	176.14	176.21
26	175.83	175.84	175.88	175.94	176.01	176.15	176.13	176.13	176.06	176.04	176.00	176.20
27	175.90	175.83	175.88	175.92	176.04	176.12	176.12	176.13	176.08	176.15	176.00	176.08
28	175.88	175.83	175.87	175.88	176.03	176.09	176.12	176.14	176.02	176.07	176.16	176.02
29	175.86		175.83	175.92	175.98	176.11	176.13	176.17	175.97	176.06	176.18	176.06
30	175.86		175.83	175.92	176.06	176.16	176.13	176.14	176.01	176.03	176.17	175.99
31	175.81		175.87		176.08		176.14	176.13		176.00		176.03
MEAN	175.82	175.80	175.83	175.91	175.98	176.09	176.15	176.12	176.09	176.06	176.07	176.05
MAX	175.90	175.88	175.94	175.98	176.17	176.16	176.23	176.17	176.17	176.15	176.18	176.21
MIN	175.73	175.71	175.73	175.78	175.87	176.02	176.07	175.97	175.97	175.89	175.88	175.81

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 176.00
MAXIMUM DAILY, 176.23 ON JUL 04
MINIMUM DAILY, 175.71 ON FEB 24
MAXIMUM INSTANTANEOUS,
176.54 AT 14:15 EST ON NOV 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 58 53 N
LONG 081 55 41 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 11195 LITTLE CURRENT

LAKE HURON AT PARRY SOUND - STATION NO. 02EA014

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	175.84	175.83	175.89	175.84	175.97	176.04	176.17	176.16	176.14	176.16	175.99	176.18
2	175.93	175.72	175.92	175.78	175.96	176.03	176.15	176.15	176.12	176.10	176.06	176.09
3	175.84	175.73	175.81	175.84	175.90	176.09	176.15	176.13	176.07	176.01	176.04	175.73
4	175.84	175.79	175.78	175.96	175.88	176.13	176.23	176.13	176.12	176.18	176.05	175.94
5	175.82	175.84	175.74	176.00	175.94	176.06	176.15	176.16	176.12	176.16	175.83	176.08
6	175.82	175.83	175.75	175.96	175.95	176.06	176.14	176.12	176.12	176.11	176.06	176.20
7	175.90	175.81	175.75	175.95	175.90	176.09	176.12	176.13	176.07	176.00	176.09	176.16
8	175.82	175.83	175.72	175.92	175.86	176.01	176.13	176.16	176.06	175.95	176.06	176.11
9	175.79	175.82	175.73	175.87	175.91	176.08	176.21	176.15	176.10	175.91	176.06	176.13
10	175.79	175.91	175.78	175.86	175.91	176.11	176.19	176.14	176.13	175.86	176.14	176.11
11	175.90	175.82	175.74	175.94	176.09	176.05	176.14	176.14	176.06	176.06	176.24	175.98
12	175.89	175.79	175.75	175.96	175.98	176.02	176.07	176.10	176.11	176.05	176.20	175.95
13	175.82	175.83	175.82	175.92	175.96	176.07	176.11	176.09	176.06	176.04	176.08	176.16
14	175.73	175.79	175.80	175.88	175.96	176.10	176.10	176.16	176.15	176.05	176.05	176.05
15	175.78	175.68	175.80	175.97	175.94	176.10	176.13	176.18	176.15	176.15	176.11	175.96
16	175.78	175.71	175.83	175.91	175.86	176.06	176.18	176.13	176.03	176.09	176.05	176.01
17	175.77	175.79	175.89	176.04	176.03	176.05	176.17	176.16	176.07	176.04	176.03	176.05
18	175.90	175.82	175.94	175.95	176.21	176.15	176.24	176.10	176.08	176.18	176.01	176.02
19	175.84	175.97	175.88	175.93	176.05	176.12	176.17	175.95	176.09	176.16	176.02	176.02
20	175.78	175.84	175.89	175.92	175.91	176.05	176.19	176.03	176.09	176.02	176.00	175.91
21	175.70	175.88	175.86	175.92	176.02	176.09	176.20	176.06	176.06	176.09	175.92	175.98
22	175.86	175.82	175.85	175.92	176.04	176.08	176.15	176.08	176.19	176.08	176.06	176.05
23	175.80	175.78	175.98	175.90	176.04	176.09	176.18	176.09	176.17	176.05	176.14	176.11
24	175.79	175.71	175.90	175.88	176.03	176.17	176.18	176.10	176.20	176.07	176.15	176.18
25	175.77	175.79	175.96	175.92	176.01	176.13	176.16	176.10	176.14	176.05	176.22	176.26
26	175.90	175.82	175.92	175.92	176.02	176.15	176.15	176.13	176.10	176.04	175.96	176.25
27	175.85	175.92	175.88	175.90	176.05	176.14	176.13	176.14	176.09	176.13	175.98	176.06
28	175.98	175.86	175.87	175.86	176.03	176.09	176.13	176.15	176.06	176.17	176.19	175.97
29	175.83		175.80	175.89	175.98	176.11	176.13	176.17	175.99	176.05	176.22	176.04
30	175.84		175.82	175.90	176.07	176.16	176.16	176.12	176.04	176.04	176.19	176.02
31	175.84		175.86		176.08		176.14	176.12		176.00		176.02
MEAN	175.83	175.81	175.84	175.91	175.99	176.09	176.16	176.12	176.10	176.07	176.07	176.06
MAX	175.98	175.97	175.98	176.04	176.21	176.17	176.24	176.18	176.20	176.18	176.24	176.26
MIN	175.70	175.68	175.72	175.78	175.86	176.01	176.07	175.95	175.99	175.86	175.83	175.73

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 176.00
MAXIMUM DAILY, 176.26 ON DEC 25
MINIMUM DAILY, 175.68 ON FEB 15
MAXIMUM INSTANTANEOUS,
176.51 AT 15:15 EST ON NOV 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 20 18 N
LONG 080 02 09 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 11375 PARRY SOUND

LAKE HURON AT THESSALON - STATION NO. 02CA006

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	175.88	175.87	175.95	175.94	176.03	176.14	176.22	176.25	176.21	176.14	176.12	176.18	1
2	175.96	175.86	175.92	175.87	176.03	176.15	176.24	176.23	176.19	176.17	176.15	176.13	2
3	175.92	175.86	175.86	175.92	176.00	176.17	176.26	176.23	176.19	176.20	176.11	176.06	3
4	175.85	175.87	175.87	175.96	175.97	176.14	176.24	176.24	176.23	176.17	176.08	175.88	4
5	175.90	175.94	175.84	175.99	175.99	176.17	176.22	176.21	176.19	176.19	176.04	176.15	5
6	175.86	175.91	175.83	176.01	176.02	176.15	176.21	176.20	176.21	176.13	176.03	176.14	6
7	175.92	175.91	175.85	175.99	176.02	176.16	176.23	176.21	176.17	176.08	176.12	176.20	7
8	175.92	175.94	175.83	176.02	176.00	176.13	176.26	176.25	176.21	176.06	176.18	176.15	8
9	175.87	175.90	175.84	175.97	176.00	176.14	176.26	176.24	176.21	176.06	176.18	176.17	9
10	175.85	175.91	175.87	175.93	176.02	176.15	176.23	176.20	176.17	176.08	176.11	176.12	10
11	175.94	175.91	175.85	175.96	176.05	176.14	176.22	176.19	176.18	176.12	176.12	176.12	11
12	175.84	175.92	175.88	176.03	176.09	176.17	176.18	176.19	176.20	176.16	176.12	176.11	12
13	175.87	175.83	175.92	176.03	176.03	176.18	176.21	176.18	176.20	176.13	176.13	176.07	13
14	175.89	175.87	175.92	175.98	176.07	176.17	176.20	176.25	176.18	176.18	176.16	176.17	14
15	175.84	175.83	175.93	176.00	176.03	176.16	176.24	176.22	176.18	176.17	176.17	176.10	15
16	175.87	175.82	175.97	176.04	176.04	176.14	176.28	176.20	176.11	176.19	176.09	176.09	16
17	175.86	175.86	175.98	175.96	176.05	176.16	176.27	176.23	176.13	176.17	176.12	176.17	17
18	175.87	175.93	175.98	176.07	176.08	176.19	176.29	176.19	176.18	176.14	176.15	176.10	18
19	175.93	175.86	175.94	176.03	176.10	176.18	176.24	176.14	176.15	176.17	176.12	176.12	19
20	175.88	175.96	175.96	176.01	176.01	176.17	176.24	176.17	176.17	176.21	176.09	176.15	20
21	175.82	175.95	175.97	176.00	176.06	176.19	176.24	176.19	176.21	176.15	176.16	176.11	21
22	175.87	175.88	175.94	176.02	176.09	176.17	176.22	176.19	176.16	176.17	176.17	176.14	22
23	175.92	175.87	175.95	176.01	176.11	176.13	176.23	176.20	176.10	176.16	176.17	176.14	23
24	175.86	175.81	176.00	176.00	176.11	176.21	176.24	176.21	176.22	176.12	176.16	176.14	24
25	175.87	175.86	176.02	176.03	176.11	176.22	176.24	176.22	176.20	176.11	176.06	176.20	25
26	175.89	175.95	175.95	176.03	176.10	176.21	176.23	176.22	176.14	176.15	176.16	176.17	26
27	175.99	175.88	175.97	176.02	176.13	176.20	176.22	176.21	176.16	176.21	176.10	176.19	27
28	175.95	175.91	175.96	175.99	176.12	176.19	176.24	176.19	176.11	176.09	176.17	176.13	28
29	175.96		175.93	176.01	176.07	176.21	176.26	176.20	176.09	176.16	176.20	176.12	29
30	175.94		175.92	176.01	176.12	176.23	176.20	176.21	176.09	176.11	176.25	176.06	30
31	175.91		175.95		176.16		176.21	176.22		176.10		176.14	31
MEAN	175.89	175.89	175.92	175.99	176.06	176.17	176.23	176.21	176.17	176.14	176.13	176.13	MEAN
MAX	175.99	175.96	176.02	176.07	176.16	176.23	176.29	176.25	176.23	176.21	176.25	176.20	MAX
MIN	175.82	175.81	175.83	175.87	175.97	176.13	176.18	176.14	176.09	176.06	176.03	175.88	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 176.08
MAXIMUM DAILY, 176.29 ON JUL 18
MINIMUM DAILY, 175.81 ON FEB 24
MAXIMUM INSTANTANEOUS,
176.38 AT 01:00 EST ON NOV 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 15 11 N
LONG 08 33 07 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 11070 THESSALON

LAKE HURON AT TOBERMORY - STATION NO. 02FA003

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	175.90	175.89	175.95	175.93	176.03	176.13	176.24	176.24	176.21	176.18	176.07	176.22	1
2	175.96	175.82	175.97	175.89	176.02	176.12	176.22	176.23	176.22	176.17	176.11	176.16	2
3	175.89	175.83	175.89	175.94	175.97	176.17	176.23	176.22	176.16	176.11	176.12	175.97	3
4	175.89	175.87	175.86	176.02	175.96	176.19	176.27	176.22	176.20	176.20	176.11	176.01	4
5	175.88	175.93	175.81	176.05	176.00	176.15	176.24	176.24	176.20	176.22	176.02	176.16	5
6	175.94	175.91	175.81	176.02	176.01	176.15	176.22	176.21	176.21	176.16	176.11	176.22	6
7	175.89	175.90	175.81	176.02	175.98	176.17	176.21	176.21	176.19	176.10	176.16	176.21	7
8	175.86	175.92	175.79	176.01	175.96	176.12	176.23	176.23	176.16	176.06	176.16	176.17	8
9	175.86	175.90	175.81	175.97	176.00	176.16	176.26	176.23	176.19	176.04	176.15	176.18	9
10	175.96	175.96	175.84	175.96	176.00	---	176.25	176.22	176.21	176.01	176.19	176.17	10
11	175.96	175.91	175.82	176.01	176.11	---	176.22	176.21	176.16	176.10	176.24	176.08	11
12	175.93	175.88	175.85	176.04	176.06	176.12	176.18	176.19	176.17	176.13	176.23	176.06	12
13	175.88	175.89	175.90	176.02	176.04	176.16	176.20	176.18	176.15	176.12	176.15	176.18	13
14	175.85	175.87	175.90	175.98	176.05	176.18	176.20	176.23	176.21	176.13	176.13	176.14	14
15	175.85	175.80	175.89	176.03	176.02	176.18	176.22	176.24	176.23	176.18	176.18	176.08	15
16	---	175.81	175.94	176.06	175.98	176.15	176.26	176.21	176.15	176.15	176.13	176.10	16
17	---	175.86	175.98	176.03	176.08	176.14	176.25	176.23	176.16	176.13	176.12	176.14	17
18	175.92	175.92	176.01	176.04	176.19	176.21	176.29	176.20	176.17	176.21	176.10	176.12	18
19	175.92	175.97	175.96	176.01	176.14	176.20	176.25	176.11	176.17	176.22	176.11	176.12	19
20	---	175.94	175.97	176.00	176.03	176.15	176.26	176.15	176.18	176.14	176.09	176.06	20
21	175.84	175.94	175.95	175.99	176.10	176.18	176.27	176.17	176.16	176.16	176.05	176.09	21
22	175.91	175.89	175.94	176.00	176.11	176.17	176.24	176.18	176.23	176.17	176.14	176.14	22
23	175.89	175.87	176.02	175.99	176.12	176.18	176.25	176.19	176.23	176.13	176.19	176.18	23
24	---	175.83	175.99	175.98	176.11	176.25	176.26	176.19	176.23	176.15	176.19	176.21	24
25	---	175.86	176.03	176.01	176.09	176.22	176.24	176.19	176.22	176.13	176.20	176.25	25
26	175.93	175.92	176.00	176.01	176.10	176.22	176.23	176.21	176.17	176.12	176.10	176.27	26
27	175.93	175.95	175.96	175.99	176.12	176.22	176.21	176.22	176.17	176.20	176.07	176.16	27
28	175.99	175.92	175.94	175.95	176.11	176.19	176.21	176.22	176.14	176.21	176.21	176.09	28
29	175.92		175.89	175.98	176.07	176.20	176.22	176.23	176.10	176.13	176.26	176.13	29
30	175.91		175.89	175.98	176.11	176.25	176.25	176.21	176.13	176.11	176.23	176.11	30
31	175.92		175.93		176.14		176.23	176.20		176.08		176.12	31
MEAN	---	175.89	175.91	176.00	176.06	---	176.24	176.21	176.18	176.14	176.14	176.14	MEAN
MAX	---	175.97	176.03	176.06	176.19	---	176.29	176.24	176.23	176.22	176.26	176.27	MAX
MIN	---	175.80	175.79	175.89	175.96	---	176.18	176.11	176.10	176.01	176.02	175.97	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 176.29 ON JUL 18
MINIMUM DAILY, 175.79 ON MAR 08
MAXIMUM INSTANTANEOUS,
176.37 AT 10:25 EST ON JUL 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 15 31 N
LONG 081 39 57 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 11690 TOBERMORY

LAKE NIPIGON AT MACDIARMID - STATION NO. 02AD007

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	259.580	259.480	259.380	259.350	259.500	259.860	260.190	260.240	260.180	260.060	259.920	259.790	1
2	259.550	259.480	259.380	259.350	259.510	259.880	260.200	260.230	260.160	260.050	259.930	259.780	2
3	259.540	259.480	259.370	259.330	259.530	259.950	260.200	260.230	260.170	260.050	259.930	259.770	3
4	259.540	259.460	259.370	259.340	259.540	259.930	260.220	260.260	260.130	260.070	259.920	259.770	4
5	259.530	259.460	259.370	259.330	259.560	259.930	260.220	260.250	260.130	260.060	259.900	259.760	5
6	259.520	259.450	259.360	259.330	259.530	259.930	260.210	260.230	260.150	260.060	259.900	259.760	6
7	259.530	259.450	259.350	259.320	259.580	259.940	260.200	260.240	260.160	260.050	259.900	259.740	7
8	259.540	259.450	259.360	259.320	259.610	259.920	260.190	260.230	260.130	260.040	259.860	259.720	8
9	259.540	259.450	259.350	259.330	259.640	259.920	260.230	260.240	260.150	260.020	259.880	259.740	9
10	259.520	259.450	259.350	259.330	259.640	259.980	260.260	260.230	260.150	260.030	259.890	259.720	10
11	259.540	259.450	259.350	259.320	259.640	259.980	260.250	260.230	260.110	260.020	259.900	259.720	11
12	259.530	259.440	259.370	259.320	259.660	259.990	260.250	260.220	260.130	260.020	259.880	259.730	12
13	259.520	259.440	259.360	259.320	259.680	260.010	260.250	260.200	260.130	260.000	259.830	259.730	13
14	259.530	259.430	259.370	259.320	259.690	260.020	260.250	260.200	260.120	260.010	259.820	259.700	14
15	259.520	259.430	259.360	259.330	259.710	260.040	260.250	260.200	260.110	260.010	259.830	259.710	15
16	259.510	259.440	259.350	259.330	259.730	260.020	260.250	260.200	260.120	260.000	259.830	259.690	16
17	259.510	259.420	259.360	259.330	259.750	260.040	260.240	260.230	260.100	260.010	259.810	259.710	17
18	259.500	259.420	259.360	259.320	259.760	260.060	260.240	260.210	260.080	260.020	259.800	259.700	18
19	259.510	259.410	259.350	259.310	259.770	260.070	260.250	260.200	260.100	259.980	259.810	259.700	19
20	259.510	259.400	259.360	259.320	259.780	260.080	260.280	260.200	260.090	259.970	259.800	259.720	20
21	259.500	259.400	259.360	259.310	259.780	260.110	260.290	260.190	260.100	259.990	259.800	259.720	21
22	259.500	259.400	259.350	259.330	259.790	260.130	260.290	260.180	260.140	259.960	259.810	259.720	22
23	259.490	259.410	259.340	259.330	259.800	260.140	260.290	260.170	260.100	259.970	259.830	259.700	23
24	259.500	259.400	259.340	259.340	259.810	260.140	260.280	260.170	260.080	259.970	259.810	259.700	24
25	259.500	259.390	259.350	259.360	259.820	260.140	260.280	260.190	260.090	259.950	259.820	259.700	25
26	259.490	259.380	259.340	259.370	259.830	260.170	260.280	260.190	260.070	259.930	259.790	259.680	26
27	259.490	259.390	259.340	259.420	259.830	260.160	260.270	260.190	260.080	259.980	259.800	259.690	27
28	259.490	259.380	259.340	259.490	259.850	260.160	260.260	260.170	260.070	259.950	259.820	259.690	28
29	259.490		259.330	259.470	259.850	260.180	260.270	260.170	260.070	259.930	259.790	259.700	29
30	259.480		259.320	259.490	259.860	260.190	260.260	260.180	260.060	259.930	259.760	259.690	30
31	259.480		259.330		259.860		260.250	260.170		259.920		259.680	31
MEAN	259.515	259.430	259.354	259.349	259.706	260.036	260.247	260.208	260.115	260.000	259.846	259.720	MEAN
MAX	259.580	259.480	259.380	259.490	259.860	260.190	260.290	260.260	260.180	260.070	259.930	259.790	MAX
MIN	259.480	259.380	259.320	259.310	259.500	259.860	260.190	260.170	260.060	259.920	259.760	259.680	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 259.796
MAXIMUM DAILY, 260.290 ON JUL 21
MINIMUM DAILY, 259.310 ON APR 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 02 N
LONG 088 07 55 W
DATA CONTRIBUTED BY -
ONTARIO HYDRO

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE NIPISSING AT FRENCH RIVER OUTLET - STATION NO. 02DD021

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.787	4.599	4.447	4.902	5.572	6.170	5.841	5.830	5.688	5.667	5.584	5.631	1
2	4.772	4.598	4.439	4.912	5.586	6.150	5.842	5.817	5.690	5.681	5.567	5.654	2
3	4.762	4.595	4.443	4.932	5.617	6.138	5.829	5.815	5.680	5.675	5.560	5.669	3
4	4.751	4.582	4.431	4.954	5.634	6.127	5.834	5.820	5.672	5.676	5.560	5.679	4
5	4.746	4.573	4.425	4.967	5.652	6.101	5.843	5.820	5.669	5.653	5.560	5.668	5
6	4.734	4.563	4.420	4.984	5.652	6.080	5.838	5.817	5.662	5.667	5.575	5.622	6
7	4.729	4.555	4.414	4.997	5.655	6.064	5.830	5.814	5.660	5.673	5.562	5.645	7
8	4.717	4.550	4.411	5.007	5.681	6.041	5.825	5.804	5.647	5.657	5.551	5.663	8
9	4.703	4.548	4.408	5.014	5.688	6.034	5.828	5.794	5.630	5.663	5.539	5.653	9
10	4.698	4.541	4.404	5.028	5.700	6.015	5.821	5.802	5.631	5.659	5.521	5.655	10
11	4.695	4.533	4.406	5.042	5.724	5.992	5.827	5.802	5.637	5.671	5.495	5.643	11
12	4.688	4.522	4.405	5.054	5.746	5.967	5.835	5.800	5.633	5.692	5.499	5.632	12
13	4.663	4.516	4.406	5.063	5.756	5.946	5.813	5.797	5.641	5.682	5.467	5.604	13
14	4.662	4.516	4.419	5.074	5.761	5.938	5.824	5.783	5.656	5.663	5.458	5.596	14
15	4.652	4.517	4.433	5.094	5.776	5.920	5.812	5.790	5.703	5.657	5.439	5.588	15
16	4.646	4.512	4.465	5.100	5.783	5.910	5.806	5.757	5.703	5.653	5.447	5.575	16
17	4.652	4.507	4.516	5.112	5.843	5.892	5.810	5.748	5.702	5.653	5.451	5.567	17
18	4.652	4.506	4.564	5.127	5.924	5.870	5.803	5.757	5.686	5.669	5.459	5.564	18
19	4.645	4.491	4.603	5.136	6.049	5.875	5.802	5.761	5.686	5.700	5.453	5.547	19
20	4.642	4.486	4.638	5.160	6.121	5.851	5.804	5.747	5.687	5.697	5.444	5.534	20
21	4.632	4.486	4.676	5.187	6.168	5.838	5.811	5.741	5.682	5.688	5.443	5.513	21
22	4.631	4.485	4.711	5.195	6.193	5.828	5.816	5.736	5.677	5.695	5.450	5.504	22
23	4.627	4.473	4.738	5.241	6.217	5.838	5.807	5.734	5.701	5.700	5.453	5.477	23
24	4.625	4.479	4.773	5.261	6.228	5.856	5.806	5.729	5.687	5.699	5.464	5.463	24
25	4.622	4.469	4.795	5.313	6.238	5.839	5.806	5.721	5.684	5.693	5.448	5.457	25
26	4.629	4.465	4.807	5.361	6.249	5.835	5.805	5.717	5.694	5.681	5.468	5.446	26
27	4.618	4.460	4.821	5.409	6.241	5.861	5.802	5.704	5.681	5.660	5.487	5.428	27
28	4.614	4.453	4.834	5.463	6.233	5.842	5.801	5.704	5.684	5.652	5.510	5.416	28
29	4.612		4.852	5.513	6.234	5.834	5.793	5.703	5.692	5.634	5.577	5.398	29
30	4.610		4.869	5.544	6.207	5.840	5.795	5.698	5.676	5.620	5.604	5.386	30
31	4.609		4.884		6.188		5.842	5.691		5.608		5.374	31
MEAN	4.672	4.521	4.576	5.138	5.913	5.950	5.818	5.766	5.674	5.669	5.503	5.556	MEAN
MAX	4.787	4.599	4.884	5.544	6.249	6.170	5.843	5.830	5.703	5.700	5.604	5.679	MAX
MIN	4.609	4.453	4.404	4.902	5.572	5.828	5.793	5.691	5.630	5.608	5.439	5.374	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 5.402
MAXIMUM DAILY, 6.249 ON MAY 26
MINIMUM DAILY, 4.404 ON MAR 10

TYPE OF GAUGE - MANUAL
LOCATION - LAT 46 07 33 N
LONG 080 00 42 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 190.000 m ADJUSTMENT TO CONVERT TO FRENCH RIVER DATUM

LAKE NIPISSING AT NORTH BAY - STATION NO. 02DD006

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.874	4.674	4.527	4.971	5.687	6.288	5.928	5.913	5.790	5.747	5.669E	5.716E	1
2	4.857	4.674	4.527	4.990	5.707	6.263	5.939	5.913	5.753	5.761	5.652E	5.739E	2
3	4.843	4.665	4.525	5.027	5.703	6.245	5.940	5.906	5.744	5.736	5.645E	5.754E	3
4	4.839	4.658	4.518	5.045	5.709	6.233	5.932	5.896	5.750	5.788	5.645E	5.764	4
5	4.826	4.650	4.511	5.056	5.716	6.212	5.929	5.897	5.740	5.786	5.645E	5.785	5
6	4.825	4.647	4.505	5.063	5.728	6.195	5.925	5.888	5.739	5.748	5.660E	5.781	6
7	4.805	4.637	4.498	5.072	5.736	6.178	5.915	5.889	5.713	5.725	5.647E	5.765	7
8	4.796	4.629	4.491	5.081	5.731	6.137	5.916E	5.896	5.720	5.713	5.636E	5.761	8
9	4.787	4.627	4.485	5.093	5.766	6.133	5.934A	5.890	5.712	5.702E	5.624E	5.755	9
10	4.779	4.624	4.483	5.112	5.789	6.107	5.918	5.873	5.713	5.675E	5.606E	5.763	10
11	4.769	4.617	4.478	5.126	5.834	6.085	5.898	5.864	5.704	5.773	5.580E	5.733	11
12	4.770	4.608	4.479	5.134	5.837	6.082	5.878	5.852	5.710	5.775	5.584E	5.720	12
13	4.756	4.600	4.485	5.137	5.831	6.060	5.886	5.836	5.695	5.777	5.552E	5.722	13
14	4.741	4.597	4.491	5.146	5.845	6.040	5.880	5.861	5.726	5.765	5.543E	5.700	14
15	4.735	4.592	4.509	5.164	5.845	6.013	5.885	5.853	5.785	5.793	5.524E	5.686	15
16	4.730	4.593	4.548	5.178	5.813	5.994	5.901	5.841	5.767	5.774	5.532E	5.678	16
17	4.729	4.588	4.592	5.200	5.915	5.977	5.891	5.854	5.767	5.742	5.536E	5.660	17
18	4.739	4.581	4.645	5.209	6.083	5.991	5.912	5.827	5.764	5.781	5.544E	5.661	18
19	4.727	4.586	4.687	5.217	6.138	5.958	5.895	5.796	5.759	5.811	5.538E	5.648	19
20	4.717	4.573	4.720	5.235	6.191	5.939	5.887	5.798	5.759	5.770E	5.529E	5.627	20
21	4.711	4.565	4.746	5.260	6.259	5.923	5.881	5.804	5.741	5.796	5.528E	5.610	21
22	4.709	4.568	4.780	5.281	6.306	5.917	5.880	5.802	5.783	5.796	5.535E	5.597	22
23	4.702	4.562	4.824	5.310	6.324	5.914	5.885	5.799	5.778	5.787	5.538E	5.588	23
24	4.703	4.559	4.847	5.339	6.343	5.944	5.882	5.799	5.789	5.791	5.549E	5.573	24
25	4.700	4.554	4.871	5.385	6.350	5.941	5.888	5.797	5.763	5.776	5.533E	5.552	25
26	4.710	4.541	4.895	5.436	6.345	5.942	5.879	5.797	5.763	5.766	5.553E	5.545	26
27	4.697	4.540	4.904	5.487	6.349	5.931	5.873	5.797	5.765	5.755	5.572E	5.524	27
28	4.700	4.538	4.917	5.535	6.329	5.930	5.872	5.794	5.749	5.737E	5.595E	5.505	28
29	4.689		4.926	5.576	6.310	5.912	5.870	5.792	5.731	5.719E	5.662E	5.494	29
30	4.685		4.942	5.618	6.309	5.922	5.899	5.794	5.749	5.705E	5.689E	5.486	30
31	4.682		4.958		6.314		5.909	5.781		5.693E		5.468	31
MEAN	4.753	4.602	4.655	5.216	6.005	6.047	5.900	5.842	5.747	5.757	5.588	5.657	MEAN
MAX	4.874	4.674	4.958	5.618	6.350	6.288	5.940	5.913	5.790	5.811	5.689	5.785	MAX
MIN	4.682	4.538	4.478	4.971	5.687	5.912	5.870	5.781	5.695	5.675	5.524	5.468	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 5.486
MAXIMUM DAILY, 6.350 ON MAY 25
MINIMUM DAILY, 4.478 ON MAR 11
MAXIMUM INSTANTANEOUS,
6.368 AT 17:57 EST ON MAY 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 18 40 N
LONG 079 28 25 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 1[illegible].000 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

LAKE OF THE WOODS AT CLEARWATER BAY - STATION NO. 05PD011

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	322.556	322.465	322.415	322.446	322.480	322.769	323.145	323.117	322.883	322.720	322.638	322.562	1
2	322.543	322.463	322.402	322.453	322.486	322.694	323.141	323.114	322.904	322.767	322.617	322.556	2
3	322.541	322.463	322.399	322.463	322.488	322.582	323.152	323.047	322.942	322.719	322.614	322.550	3
4	322.537	322.463	322.392	322.457	322.495	322.770	323.132	322.992	322.857	322.712	322.613	322.553	4
5	322.532	322.456	322.394	322.455	322.495	322.825	323.135	323.033	322.898	322.705	322.660	322.553	5
6	322.538	322.461	322.394	322.458	322.527	322.795	323.180	323.053	322.847	322.674	322.602	322.551	6
7	322.533	322.452	322.395	322.464	322.494	322.838	323.207	323.062	322.857	322.698	322.645	322.549	7
8	322.528	322.451	322.390	322.459	322.506	322.854	323.150	323.049	322.885	322.718	322.696	322.549	8
9	322.520	322.450	322.398	322.457	322.471	322.846	323.163	322.999	322.825	322.727	322.609	322.543	9
10	322.526	322.445	322.393	322.458	322.505	322.885	323.178	322.981	322.842	322.794	322.582	322.535	10
11	322.520	322.439	322.384	322.463	322.526	322.957	323.160	323.005	322.873	322.714	322.561	322.533	11
12	322.518	322.438	322.385	322.468	322.525	322.945	323.181	323.001	322.804	322.688	322.576	322.546	12
13	322.512	322.436	322.404	322.463	322.517	322.936	323.199	323.044	322.815	322.738	322.634	322.549	13
14	322.507	322.437	322.388	322.459	322.534	322.911	323.211	322.978	322.774	322.674	322.616	322.549	14
15	322.507	322.424	322.400	322.466	322.563	322.947	323.179	322.995	322.738	322.670	322.579	322.546	15
16	322.502	322.415	322.429	322.463	322.566	322.960	323.181	323.002	322.766	322.663	322.588	322.548	16
17	322.498	322.424	322.430	322.466	322.519	322.959	323.185	322.934	322.836	322.571	322.610	322.542	17
18	322.500	322.432	322.431	322.468	322.557	323.002	323.163	322.933	322.818	322.613	322.594	322.537	18
19	322.494	322.432	322.440	322.465	322.598	323.015	323.152	322.962	322.769	322.714	322.586	322.535	19
20	322.487	322.433	322.426	322.457	322.608	323.015	323.150	322.961	322.788	322.656	322.597	322.540	20
21	322.495	322.426	322.427	322.466	322.640	323.023	323.143	322.965	322.760	322.650	322.587	322.546	21
22	322.492	322.413	322.439	322.458	322.649	323.029	323.139	322.978	322.679	322.693	322.634	322.563	22
23	322.484	322.401	322.441	322.464	322.649	323.054	323.149	322.995	322.767	322.643	322.534	322.568	23
24	322.492	322.407	322.451	322.464	322.662	323.083	323.159	322.955	322.779	322.635	322.559	322.564	24
25	322.487	322.410	322.441	322.469	322.673	323.093	323.140	322.952	322.735	322.693	322.566	322.568	25
26	322.489	322.409	322.444	322.461	322.684	323.083	323.151	322.918	322.753	322.680	322.558	322.571	26
27	322.483	322.420	322.441	322.424	322.703	323.122	323.147	322.935	322.725	322.569	322.557	322.568	27
28	322.471	322.420	322.439	322.443	322.680	323.124	323.129	322.914	322.721	322.699	322.563	322.568	28
29	322.474		322.446	322.503	322.713	323.115	323.048	322.928	322.724	322.652	322.571	322.567	29
30	322.473		322.457	322.516	322.735	323.100	323.059	322.920	322.753	322.645	322.569	322.574	30
31	322.466		322.454		322.757		323.094	322.924		322.656		322.572	31
MEAN	322.507	322.435	322.418	322.463	322.581	322.944	323.152	322.989	322.804	322.681	322.597	322.553	MEAN
MAX	322.556	322.465	322.457	322.516	322.757	323.124	323.211	323.117	322.942	322.794	322.696	322.574	MAX
MIN	322.466	322.401	322.384	322.424	322.471	322.582	323.045	322.914	322.679	322.569	322.534	322.533	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 322.679
MAXIMUM DAILY, 323.211 ON JUL 14
MINIMUM DAILY, 322.384 ON MAR 11
MAXIMUM INSTANTANEOUS,
323.257 AT 10:15 CST ON JUL 07

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 43 06 N
LONG 094 48 20 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO LAKE OF THE WOODS DATUM
APPLY -.177 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1969 ADJ.)

LAKE OF THE WOODS AT CYCLONE ISLAND - STATION NO. 05PD029

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	29.036	28.951	28.903	28.947	28.964	29.240	29.630	29.587	29.376	29.222	29.135	29.051	
2	29.033	28.949	28.900	28.949	28.978	29.224	29.635	29.568A	29.391	29.231	29.115	29.045	
3	29.032	28.949	28.895	28.951	28.985	29.218	29.654	29.537	29.399	29.214	29.103	29.046	
4	29.026	28.950	28.895	28.954	28.994	29.285	29.642	29.512	29.357	29.189	29.119	29.046	
5	29.018	28.946	28.894	28.952	28.998	29.300	29.653	29.528	29.373	29.201	29.132	29.045	
6	29.017	28.943	28.894	28.951	29.009	29.295	29.671	29.530	29.353	29.186	29.095	29.041	
7	29.019	28.942	28.894	28.955	29.016	29.320	29.684	29.527	29.361	29.191	29.126	29.039	
8	29.018	28.940	28.894	28.956	29.015	29.343	29.678A	29.518	29.352	29.201	29.127	29.040	
9	29.011	28.939	28.893	28.958	28.992	29.356	29.672	29.503	29.331	29.206	29.087	29.036	
10	29.014	28.932	28.890	28.955	29.014	29.385	29.684	29.492	29.334	29.231	29.074	29.034	
11	29.009	28.930	28.890	28.954	29.014	29.428	29.679	29.498	29.330	29.174	29.058	29.032	
12	29.003	28.931	28.894	28.956	29.023	29.425	29.687	29.491	29.317	29.180	29.079	29.040	
13	29.000	28.918	28.899	28.954	29.025	29.437	29.689	29.502	29.300	29.193	29.111	29.036	
14	28.997	28.916	28.898	28.952	29.040	29.428	29.688	29.458	29.289	29.172	29.091	29.038	
15	28.994	28.911	28.910	28.952	29.057	29.448	29.678	29.481	29.249	29.164	29.082	29.037	
16	28.992	28.911	28.925	28.950	29.065	29.459	29.681	29.473	29.282	29.166	29.083	29.039	
17	28.988	28.908	28.927	28.951	29.070	29.474	29.681	29.458	29.304	29.120	29.092	29.033	
18	28.985	28.914	28.950	28.950	29.075	29.498	29.671	29.456	29.282	29.149	29.081	29.031	
19	28.982	28.912	28.953	28.949	29.098	29.509	29.665	29.457	29.267	29.185	29.080	29.030	
20	28.979	28.913	28.928	28.951	29.109	29.506	29.653	29.449	29.288	29.143	29.090	29.039	
21	28.980	28.912	28.931	28.952	29.132	29.527	29.649	29.447	29.239	29.148	29.081	29.040	
22	28.975	28.906	28.932	28.954	29.137	29.540	29.642	29.452	29.220	29.159	29.069	29.048	
23	28.979	28.901	28.931	28.958	29.151	29.560	29.644	29.458	29.260	29.139	29.031	29.049	
24	28.978	28.896	28.936	28.959	29.166	29.574	29.648	29.440	29.252	29.133	29.057	29.049	
25	28.974	28.895	28.937	28.961	29.178	29.584	29.635	29.436	29.244	29.162	29.057	29.051	
26	28.975	28.900	28.933	28.954	29.189	29.588	29.645	29.424	29.246	29.148	29.057	29.050A	
27	28.970	28.901	28.934	28.943	29.197	29.616	29.625	29.423	29.232	29.081	29.057	29.056	
28	28.962	28.902	28.935	28.962	29.204	29.618	29.607	29.409	29.230	29.149	29.056	29.057	
29	28.963		28.938	28.973	29.217	29.613	29.572	29.410	29.234	29.134	29.057	29.054	
30	28.959		28.943	28.976	29.237	29.610	29.595	29.406	29.238	29.135	29.059	29.055A	
31	28.955		28.946		29.238		29.582	29.403		29.144		29.057	
MEAN	28.994	28.922	28.915	28.955	29.082	29.447	29.651	29.475	29.298	29.170	29.085	29.043	MEA
MAX	29.036	28.951	28.946	28.976	29.238	29.618	29.689	29.587	29.399	29.251	29.135	29.057	MAX
MIN	28.955	28.895	28.890	28.943	28.964	29.218	29.572	29.403	29.220	29.081	29.031	29.030	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 29.172
MAXIMUM DAILY, 29.689 ON JUL 13
MINIMUM DAILY, 28.890 ON MAR 10
MAXIMUM INSTANTANEOUS,
29.749 AT 01:50 CST ON JUL 07

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 19 30 N
LONG 094 50 50 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

LAKE OF THE WOODS AT HANSON BAY - STATION NO. 05PD008

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	322.554	322.479	322.421	322.466	322.529	322.745	323.142	323.071	322.939	322.767	322.645	322.562	
2	322.555	322.471	322.420	322.465	322.509	322.729	323.146	323.068	322.893	322.703	322.699	322.557	
3	322.553	322.468	322.409	322.463	322.506	322.814	323.180	323.081	322.881	322.781	322.696	322.555	
4	322.546	322.464	322.413	322.473	322.517	322.804	323.219	323.089	322.893	322.845	322.632	322.547	
5	322.541	322.472	322.407A	322.473	322.525	322.810	323.177	323.061	322.876	322.723	322.612	322.551	
6	322.533	322.458	322.406E	322.474	322.527	322.847	323.160	323.051	322.878	322.751	322.666	322.550	
7	322.532	322.460	322.404E	322.472	322.487	322.835	323.170	323.045	322.858	322.723	322.632	322.551	
8	322.537	322.456	322.402E	322.475	322.543	322.855	323.234	323.045	322.865	322.709	322.605	322.545	
9	322.534	322.459	322.401E	322.480	322.533	322.889	323.232	323.049	322.863	322.705	322.698	322.548	
10	322.529	322.449	322.400E	322.479	322.542	322.887	323.203	323.047	322.848	322.674	322.674	322.542	
11	322.538	322.448	322.399E	322.473	322.544	322.879	323.192	323.018	322.823	322.714	322.649	322.544	
12	322.530	322.447	322.398E	322.470	322.539	322.930	323.207	323.020	322.797	322.687	322.611	322.552	
13	322.516	322.440	322.399A	322.472	322.529	322.962	323.212	323.022	322.824	322.661	322.574	322.545	
14	322.519	322.432	322.404	322.474	322.552	322.974	323.210	323.015	322.833	322.690	322.593	322.545	
15	322.517	322.433	322.412	322.469	322.547	322.951	323.226	322.996	322.822	322.701	322.600	322.544	
16	322.513	322.440	322.427	322.475	322.561	322.958	323.219	322.989	322.789	322.672	322.608	322.544	
17	322.514	322.427	322.434	322.465	322.666	322.986	323.221	322.958	322.763	322.637	322.587	322.546	
18	322.506	322.437	322.433	322.462	322.622	323.012	323.234	322.936	322.798	322.669	322.594	322.543	
19	322.505	322.429	322.434	322.463	322.599	323.016	323.214	322.945	322.809	322.610	322.577	322.544	
20	322.502	322.428	322.437	322.466	322.620	323.061	323.199	322.958	322.778	322.675	322.570	322.556	
21	322.501	322.430	322.441	322.464	322.624	323.071	323.188	322.964	322.870	322.688	322.658	322.555A	
22	322.499	322.427	322.445	322.465	322.644	323.068	323.182	322.957	322.809	322.642	322.748	322.557A	
23	322.494	322.428	322.441	322.466	322.662	323.079	323.170	322.945	322.801	322.665	322.661	322.561E	
24	322.504	322.421	322.440	322.474	322.669	323.092	323.162	322.964	322.787	322.667	322.586	322.562E	
25	322.497	322.412	322.450	322.477	322.674	323.107	323.148	322.954	322.786	322.636	322.573	322.563E	
26	322.489	322.423	322.444	322.488	322.697	323.126	323.114	322.949	322.773	322.647	322.571	322.564E	
27	322.492	322.423	322.448	322.460	322.722	323.108	323.102	322.951	322.775	322.719	322.574	322.569E	
28	322.487	322.419	322.450	322.497	322.707	323.120	323.131	322.953	322.756	322.635	322.572	322.567E	
29	322.483		322.448	322.508	322.721	323.143	323.133	322.942	322.738	322.645	322.563	322.566E	
30	322.484		322.448	322.530	322.738	323.153	323.115	322.931	322.738	322.641	322.566	322.568E	
31	322.479		322.456		322.747		323.102	322.931		322.633		322.570E	
MEAN	322.516	322.442	322.425	322.475	322.600	322.967	323.179	322.997	322.822	322.688	322.620	322.554	MEA
MAX	322.555	322.479	322.456	322.530	322.747	323.153	323.234	323.089	322.939	322.845	322.748	322.570	MAX
MIN	322.479	322.412	322.398	322.460	322.487	322.729	323.102	322.931	322.738	322.610	322.563	322.542	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 322.692
MAXIMUM DAILY, 323.234 ON JUL 08
MINIMUM DAILY, 322.398E ON MAR 12
MAXIMUM INSTANTANEOUS,
323.330E AT 14:30 CST ON JUL 04

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 34 N
LONG 094 17 16 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO LAKE OF THE WOODS DATUM
APPLY -.177 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1963 ADJ.)

REMARKS - MAX. INST. WATER LEVEL ESTIMATED, BASED ON HOURLY DIGITAL DA TA OBTAINED FROM A "DATS"DATA LOGGER

LAKE OF THE WOODS AT KEEWATIN - STATION NO. 05PE014

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	322.501	322.404	322.362	322.392	322.432	322.716	323.060	323.050	322.840	322.673	322.587	322.510	1
2	322.489	322.400	322.351	322.395	322.436	322.617	323.058	323.053	322.852	322.709	322.577	322.498A	2
3	322.483	322.402	322.350	322.403	322.437	322.518	323.058	322.985	322.896	322.676	322.574	322.492	3
4	322.482	322.401	322.341	322.397	322.444	322.717	323.054	322.934	322.806	322.685	322.563	322.495A	4
5	322.476	322.394	322.339	322.397	322.443	322.769	323.046	322.971	322.850	322.652	322.608	322.499	5
6	322.481	322.396A	322.340	322.403	322.476	322.741	323.091	322.993	322.794	322.622	322.561A	322.495	6
7	322.476	322.389E	322.339	322.413	322.425	322.779	323.123	323.003	322.800	322.647	322.596	322.493	7
8	322.469	322.387A	322.335	322.408	322.451	322.790	323.069	322.990	322.838	322.666	322.652	322.493	8
9	322.461	322.388	322.344	322.400	322.416	322.787	323.086	322.942	322.776	322.675	322.574	322.490	9
10	322.466	322.384	322.344	322.402	322.451	322.817A	323.089	322.925	322.791	322.746	322.539	322.478	10
11	322.462	322.376	322.334	322.407	322.479	322.904A	323.072	322.947	322.826	322.673	322.513	322.474	11
12	322.460	322.376	322.328	322.410	322.479	322.884	323.095	322.946	322.740	322.637	322.525	322.491	12
13	322.454	322.375	322.345	322.403	322.466	322.874	323.118	323.000	322.764	322.690	322.585	322.495	13
14	322.450	322.374	322.328	322.397	322.485	322.845	323.132	322.925	322.725	322.625	322.565	322.494	14
15	322.452	322.359	322.340	322.405	322.514	322.875	323.103	322.941	322.688	322.621	322.527	322.491	15
16	322.447	322.350	322.369	322.401	322.518	322.886	323.104	322.946	322.707	322.609	322.540	322.493	16
17	322.443	322.365	322.374	322.405	322.477	322.883	323.112	322.870	322.784	322.510	322.560	322.487	17
18	322.446	322.376	322.375	322.406	322.510	322.932	323.093	322.860	322.769	322.550	322.545	322.476	18
19	322.439	322.371	322.379	322.404	322.547	322.944	323.078	322.902	322.717	322.552A	322.533	322.475	19
20	322.432	322.369	322.364	322.397	322.559	322.947	323.073	322.907	322.732	322.609A	322.540	322.483	20
21	322.441	322.365	322.365	322.410	322.588	322.956	323.069	322.912	322.718	322.595A	322.549	322.488	21
22	322.438	322.352	322.376	322.402	322.598	322.955	323.063	322.922	322.622	322.637A	322.604	322.506	22
23	322.424	322.340	322.380	322.410	322.595	322.976	323.075	322.940	322.719	322.591A	322.499	322.511	23
24	322.435	322.354	322.394	322.412	322.610	323.008	323.084	322.898	322.732	322.580A	322.509	322.506	24
25	322.428	322.356	322.384	322.415	322.621	323.020	323.063	322.896	322.687	322.637A	322.518	322.511	25
26	322.428	322.348	322.382	322.409	322.636	323.008	323.068	322.862	322.704	322.628A	322.500	322.511	26
27	322.424	322.360	322.378	322.371	322.654	323.043	323.069	322.883	322.676	322.519	322.503	322.505	27
28	322.409	322.359	322.377	322.387	322.626A	323.048	323.061	322.869	322.667	322.604	322.516	322.510	28
29	322.410		322.385	322.449	322.661A	323.034	322.976	322.881	322.667	322.598	322.519	322.511	29
30	322.413		322.397	322.466	322.684	323.012	322.986	322.870	322.698	322.594	322.518	322.515	30
31	322.404		322.402		322.705		323.024	322.882		322.604		322.514	31
MEAN	322.449	322.374	322.361	322.406	322.530	322.876	323.073	322.932	322.753	322.629	322.550	322.496	MEAN
MAX	322.501	322.404	322.402	322.466	322.705	323.048	323.132	323.053	322.896	322.746	322.652	322.515	MAX
MIN	322.404	322.340	322.328	322.371	322.416	322.518	322.976	322.860	322.622	322.510	322.499	322.474	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 322.621
MAXIMUM DAILY, 323.132 ON JUL 14
MINIMUM DAILY, 322.328 ON MAR 12
MAXIMUM INSTANTANEOUS,
323.161 AT 04:20 CST ON JUL 07

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 45 50 N
LONG 094 33 15 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO LAKE OF THE WOODS DATUM
APPLY -.177 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1969 ADJ.)

LAKE OF THE WOODS AT WARROAD - STATION NO. 05PD001

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	322.603	322.521	322.451	322.512	322.503	322.783	323.167	323.079	322.933	322.765	322.692	322.612	1
2	322.603	322.524	322.448	322.518	322.542	322.987	323.192	323.070	322.954	322.786	322.634	322.616	2
3	322.594	322.521	322.457	322.521	322.567	323.021	323.222	323.112	322.908	322.734	322.625	322.622	3
4	322.591	322.515	322.463	322.512	322.570	322.859	323.186	323.128	322.954	322.634	322.686	322.619	4
5	322.591	322.506	322.460	322.515	322.573	322.805	323.253	323.100	322.905	322.786	322.658	322.603	5
6	322.588	322.509	322.460	322.515	322.536	322.832	323.237	323.076	322.942	322.765	322.637	322.600	6
7	322.582	322.506	322.457	322.518	322.649	322.844	323.222	323.058	322.942	322.756	322.616	322.597	7
8	322.576	322.500	322.457	322.524	322.576	322.890	323.247	323.045	322.859	322.737	322.588	322.600	8
9	322.579	322.491	322.445	322.527	322.634	322.926	323.240	323.094	322.911	322.713	322.564	322.591	9
10	322.576	322.494	322.448	322.518	322.588	322.951	323.271	323.091	322.881	322.664	322.606	322.603	10
11	322.561	322.500	322.460	322.518	322.558	322.939	323.307	323.076	322.850	322.680	322.637	322.603	11
12	322.564	322.491	322.460	322.518	322.591	322.975	323.262	323.073	322.945	322.734	322.655	322.594	12
13	322.579	322.481	322.454	322.518	322.652	322.987	323.231	322.987	322.866	322.695	322.634	322.600	13
14	322.567	322.481	322.463	322.518	322.628	323.027	323.222	323.045	322.862	322.719	322.628	322.603	14
15	322.558	322.484	322.469	322.521	322.625	323.042	323.225	323.042	322.890	322.701	322.649	322.600	15
16	322.561	322.484	322.472	322.512	322.631	323.042	323.222	323.027	322.878	322.744	322.622	322.603	16
17	322.552	322.488	322.472	322.509	322.606	323.082	323.252	323.152	322.902	322.893	322.619	322.597	17
18	322.552	322.472	322.478	322.515	322.652	323.058	323.207	323.155	322.792	322.759	322.622	322.609	18
19	322.548	322.472	322.484	322.512	322.677	323.079	323.222	323.073	322.825	322.725	322.643	322.609	19
20	322.548	322.475	322.491	322.515	322.683	323.070	323.225	323.027	322.823	322.695	322.643	322.609	20
21	322.542	322.466	322.491	322.512	322.680	323.100	323.219	323.009	322.741	322.673	322.542	322.609	21
22	322.536	322.469	322.481	322.521	322.707	323.146	323.213	322.997	322.875	322.673	322.372	322.609	22
23	322.552	322.469	322.488	322.524	322.734	323.143	323.198	322.981	322.777	322.698	322.548	322.616	23
24	322.533	322.457	322.488	322.518	322.747	323.131	323.179	323.003	322.753	322.707	322.619	322.619	24
25	322.542	322.469	322.491	322.515	322.768	323.140	323.192	322.993	322.805	322.673	322.619	322.612	25
26	322.545	322.466	322.500	322.518	322.756	323.170	323.189	323.021	322.798	322.667	322.634	322.622	26
27	322.524	322.457	322.506	322.509	322.747	323.170	323.179	322.981	322.808	322.686	322.625	322.634	27
28	322.542	322.463	322.506	322.564	322.829	323.179	323.137	322.969	322.820	322.695	322.616	322.616	28
29	322.536		322.509	322.497	322.811	323.182	323.176	322.942	322.826	322.689	322.622	322.616	29
30	322.518		322.506	322.457	322.786	323.195	323.158	322.960	322.783	322.695	322.616	322.628	30
31	322.527		322.506		322.768		323.094	322.930		322.695		322.628	31
MEAN	322.560	322.487	322.475	322.519	322.657	323.025	323.210	323.042	322.857	322.717	322.616	322.610	MEAN
MAX	322.603	322.524	322.509	322.609	322.829	323.195	323.307	323.155	322.954	322.893	322.692	322.634	MAX
MIN	322.518	322.457	322.445	322.457	322.503	322.783	323.094	322.930	322.741	322.634	322.372	322.591	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 322.733
MAXIMUM DAILY, 323.307 ON JUL 11
MINIMUM DAILY, 322.372 ON NOV 22
MAXIMUM INSTANTANEOUS,
323.375 AT 06:00 CST ON JUL 17

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 54 20 N
LONG 095 19 00 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO LAKE OF THE WOODS DATUM

REMARKS - RUNOFF CONDITIONS OF THE WARROAD RIVER CAN AFFECT WATER LEVE LS AT THIS STATION

LAKE OF THE WOODS EASTERN OUTLET AT KENORA POWERHOUSE - STATION NO. 05PE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	86.4	85.8	106	80.0	111	117	121	123	114	113	112	71.5	1
2	86.3	85.9	93.1	80.0	111	116	121	127	114	113	86.2	71.4	2
3	86.5	86.0	85.3	80.2	110	114	121	132	114	113	69.0	71.5	3
4	86.5	86.0	85.6	80.2	110	116	118	129	113	113	68.9	71.5	4
5	86.4	85.9	106	79.9	110	117	120	128	114	113	69.3	71.5	5
6	86.5	86.0	106	80.1	111	117	120	134	114	112	69.1	71.5	6
7	86.4	86.0	98.1	80.5	111	117	120	141	113	113	69.2	71.5	7
8	86.3	86.0	95.0	80.8	114	117	119	141	114	113	69.7	71.5	8
9	86.3	86.0	92.3	94.3	114	116	120	137	113	111	69.2	71.5	9
10	86.5	85.9	80.0	97.4	114	117	120	128	113	114	69.0	71.5	10
11	86.9	85.8	80.2	97.0	114	118	120	128	114	113	68.8	71.3	11
12	86.2	85.7	80.1	95.5	114	118	120	128	113	113	68.8	70.7	12
13	86.3	85.6	80.0	93.3	114	122	120	129	113	113	69.2	70.7	13
14	86.3	85.6	79.9	93.1	115	122	120	129	113	113	69.3	70.6	14
15	86.3	85.6	79.8	93.1	115	122	120	128	113	112	69.0	70.6	15
16	86.2	85.6	79.8	93.0	115	123	120	128	113	112	69.0	70.6	16
17	86.1	86.0	79.5	92.9	115	123	120	119	114	112	69.1	70.6	17
18	86.1	86.4	80.2	92.9	115	123	120	114	114	111	69.2	70.4	18
19	86.1	86.3	80.2	92.9	115	123	120	114	113	113	69.0	70.5	19
20	86.0	86.3	80.0	101	115	123	120	115	113	113	69.0	73.0	20
21	86.0	86.4	79.7	110	116	123	120	114	114	112	68.9	77.9	21
22	86.0	84.9	79.7	109	116	122	121	114	114	113	69.4	77.9	22
23	86.0	83.0	79.8	110	115	122	121	115	113	112	68.7	78.1	23
24	86.0	83.3	80.1	109	115	122	121	115	114	112	68.7	78.0	24
25	86.1	83.7	80.2	110	116	122	121	114	113	112	68.7	78.1	25
26	86.2	81.6	80.2	110	116	122	121	114	113	113	68.6	78.3	26
27	86.1	80.2	99.7	110	116	123	121	114	113	113	68.6	78.3	27
28	85.9	83.4	117	110	116	123	122	114	113	113	68.7	78.3	28
29	85.8		96.6	111	116	122	122	114	113	113	69.1	72.8	29
30	86.0		79.9	111	116	121	122	114	113	113	70.5	70.7	30
31	85.8		80.1		116		122	114		112		70.7	31
TOTAL	2 672.5	2 384.9	2 680.1	2 878.1	3 537	3 603	3 734	3 806	3 402	3 487	2 131.9	2 263.0	TOT
MEAN	86.2	85.2	86.5	95.9	114	120	120	123	113	112	71.1	73.0	MEA
MAX	86.9	86.4	117	111	116	123	122	141	114	114	112	78.3	MAX
MIN	85.8	80.2	79.5	79.9	110	114	118	114	113	111	68.6	70.4	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 100
MAXIMUM DAILY, 141 ON AUG 07
MINIMUM DAILY, 68.6 ON NOV 26

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 49 46 20 N
LONG 094 30 10 W

REGULATED SINCE 1907

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	231 000	JUL	323 000
FEB	206 000	AUG	329 000
MAR	232 000	SEP	294 000
APR	249 000	OCT	301 000
MAY	306 000	NOV	184 000
JUN	311 000	DEC	196 000

TOTAL DISCHARGE, 3 160 000 dam³

REMARKS - THIS STATION IS ONE OF FOUR OUTLETS FROM LAKE OF THE WOODS

LAKE OF THE WOODS OUTLET AT MINK CREEK - STATION NO. 05PE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	3.28	3.19	3.16	3.18	3.22	3.47	3.75	3.75	3.58	3.44	3.36	3.29	1
2	3.27	3.19	3.15	3.19	3.22	3.39	3.75	3.75	3.59	3.47	3.35	3.28A	2
3	3.26	3.19	3.14	3.19	3.22	3.30	3.75	3.70	3.63	3.44	3.35	3.27	3
4	3.26	3.19	3.14	3.19	3.23	3.48	3.75	3.66	3.55	3.45	3.34	3.28A	4
5	3.26	3.18	3.14	3.19	3.23	3.52	3.74	3.69	3.59	3.42	3.38	3.28	5
6	3.26	3.19A	3.14	3.19	3.26	3.50	3.77	3.70	3.54	3.39	3.33A	3.28	6
7	3.26	3.18E	3.14	3.20	3.21	3.53	3.80	3.71	3.55	3.41	3.37	3.27	7
8	3.25	3.18A	3.13	3.20	3.24	3.54	3.76	3.70	3.58	3.43	3.42	3.27	8
9	3.24	3.18	3.14	3.19	3.20	3.54	3.77	3.66	3.53	3.44	3.35	3.27	9
10	3.25	3.18	3.14	3.19	3.24	3.56A	3.77	3.65	3.54	3.50	3.32	3.26	10
11	3.25	3.17	3.13	3.20	3.26	3.63A	3.76	3.67	3.57	3.44	3.29	3.26	11
12	3.24	3.17	3.13	3.20	3.26	3.62	3.78	3.67	3.50	3.40	3.30	3.27	12
13	3.24	3.17	3.14	3.19	3.25	3.61	3.79	3.71	3.52	3.45	3.36	3.28	13
14	3.23	3.17	3.13	3.19	3.27	3.59	3.80	3.65	3.48	3.39	3.34	3.27	14
15	3.24	3.15	3.14	3.19	3.29	3.61	3.78	3.66	3.45	3.39	3.30	3.27	15
16	3.23	3.15	3.16	3.19	3.30	3.62	3.78	3.67	3.47	3.38	3.32	3.27	16
17	3.23	3.16	3.17	3.19	3.26	3.62	3.79	3.61	3.54	3.29	3.33	3.27	17
18	3.23	3.17	3.17	3.20	3.29	3.66	3.78	3.60	3.52	3.33	3.32	3.26	18
19	3.22	3.16	3.17	3.19	3.32	3.67	3.76	3.63	3.48	3.42A	3.31	3.26	19
20	3.22	3.16	3.16	3.19	3.33	3.67	3.76	3.64	3.49	3.38A	3.32	3.26	20
21	3.23	3.16	3.16	3.20	3.36	3.67	3.76	3.64	3.48	3.37A	3.32	3.27	21
22	3.22	3.15	3.17	3.19	3.37	3.67	3.75	3.65	3.39	3.40A	3.37	3.29	22
23	3.21	3.14	3.17	3.20	3.37	3.69	3.76	3.66	3.48	3.36A	3.28	3.29	23
24	3.22	3.15	3.18	3.20	3.38	3.72	3.77	3.63	3.49	3.35A	3.29	3.29	24
25	3.21	3.15	3.18	3.20	3.39	3.72	3.75	3.63	3.45	3.40A	3.30	3.29	25
26	3.21	3.14	3.17	3.20	3.40	3.72	3.76	3.60	3.46	3.40A	3.28	3.29	26
27	3.21	3.15	3.17	3.16	3.42	3.74	3.76	3.62	3.44	3.30	3.28	3.28	27
28	3.20	3.15	3.17	3.18	3.39A	3.74	3.75	3.61	3.43	3.37	3.29	3.29	28
29	3.20		3.18	3.23	3.42A	3.73	3.69	3.61	3.43	3.37	3.30	3.29	29
30	3.20		3.19	3.25	3.45	3.72	3.70	3.61	3.46	3.36	3.30	3.29	30
31	3.19		3.19		3.46		3.73	3.62		3.37		3.29	31
TOTAL	100.22	88.67	97.85	95.85	102.51	108.25	116.57	113.36	105.21	105.31	99.77	101.58	TO
MEAN	3.23	3.17	3.16	3.20	3.31	3.61	3.76	3.66	3.51	3.40	3.33	3.28	ME
MAX	3.28	3.19	3.19	3.25	3.46	3.74	3.80	3.75	3.63	3.50	3.42	3.29	MA
MIN	3.19	3.14	3.13	3.16	3.20	3.30	3.69	3.60	3.39	3.29	3.28	3.26	MI

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.38
MAXIMUM DAILY, 3.80 ON JUL 07
MINIMUM DAILY, 3.13 ON MAR 08
MAXIMUM INSTANTANEOUS, 3.82 AT 04:20 CST ON JUL 07

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 45 44 N
LONG 094 33 36 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1900

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	8 660	JUL	10 100
FEB	7 660	AUG	9 790
MAR	8 450	SEP	9 090
APR	8 280	OCT	9 100
MAY	8 860	NOV	8 620
JUN	9 350	DEC	8 780

TOTAL DISCHARGE, 107 000 dam³

REMARKS - THIS IS ONE OF FOUR OUTLETS FROM LAKE OF THE WOODS

LAKE OF THE WOODS WESTERN OUTLET AT NORMAN DAM AND POWERHOUSE - STATION NO. 05PE011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	261	258	205	174	137	180	529	413	180	85.3	85.0	173	1
2	260	258	204	234	137	178	529	378	180	85.4	115	173	2
3	259	258	173	234	137	177	551	324	180	85.2	130	173	3
4	260	258	173	234	137	180	574	288	179	85.3	130	173	4
5	259	258	204	234	137	181	572	290	180	85.1	131	173	5
6	259	258	204	234	137	212	578	291	179	85.0	130	173	6
7	259	258	218	174	135	226	582	291	179	85.1	131	173	7
8	259	258	232	174	134	226	574	290	180	85.1	131	173	8
9	259	258	233	221	134	226	576	259	179	85.2	131	173	9
10	259	258	173	206	134	227	577	222	179	85.6	130	173	10
11	259	258	173	206	135	228	574	223	180	85.3	130	173	11
12	259	258	233	204	135	227	577	223	178	85.1	130	173	12
13	260	258	234	204	135	296	580	224	179	85.3	131	173	13
14	259	258	233	204	135	326	582	224	153	85.1	131	173	14
15	260	258	233	204	136	327	577	224	131	85.0	130	173	15
16	259	254	233	204	136	328	577	224	131	85.0	130	173	16
17	259	176	173	203	152	328	580	195	132	84.8	131	173	17
18	259	177	173	203	180	330	576	182	132	84.9	130	173	18
19	259	236	234	203	179	332	574	183	131	85.3	130	173	19
20	258	240	233	159	179	332	554	183	114	85.1	130	172	20
21	259	231	233	138	179	329	527	182	85.5	85.1	130	169	21
22	259	237	233	138	179	383	527	181	85.1	85.3	131	169	22
23	258	233	233	138	179	428	528	181	85.5	85.0	130	169	23
24	259	173	173	138	179	431	529	180	85.6	85.0	130	169	24
25	259	174	173	138	179	432	527	180	85.3	85.2	130	169	25
26	259	234	234	138	179	430	528	180	85.3	85.2	130	169	26
27	259	234	216	138	179	433	485	180	85.2	84.7	130	169	27
28	258	234	203	138	179	434	454	180	85.2	85.0	130	169	28
29	258		226	139	179	476	448	180	85.1	85.0	130	172	29
30	258		233	139	180	525	449	180	85.4	84.9	152	173	30
31	258		174		180		452	180		85.0		173	31
TOTAL	8 029	6 703	6 502	5 495	4 832	9 368	16 847	7 115	4 109.2	2 638.6	3 870.0	5 329	TOTAL
MEAN	259	239	210	183	156	312	543	230	137	85.1	129	172	MEAN
MAX	261	258	234	234	180	525	582	413	180	85.6	152	173	MAX
MIN	258	173	173	138	134	177	448	180	85.1	84.7	85.0	169	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 221
MAXIMUM DAILY, 582 ON JUL 07
MINIMUM DAILY, 84.7 ON OCT 27

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 49 46 15 N
LONG 094 31 25 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	694 000	JUL	1 460 000
FEB	579 000	AUG	615 000
MAR	562 000	SEP	355 000
APR	475 000	OCT	228 000
MAY	417 000	NOV	334 000
JUN	809 000	DEC	460 000

TOTAL DISCHARGE, 6 990 000 dam³

LAKE ONTARIO AT BURLINGTON - STATION NO. 02HB017

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	74.43	74.49	74.56	74.79	74.96	75.10	75.00	74.86	74.71	74.54	74.57	74.50	1
2	74.42	74.50	74.59	74.79	74.97	75.11	75.01	74.84	74.71	74.51	74.55	74.52	2
3	74.47	74.49	74.59	74.79	74.97	75.09	75.00	74.84	74.70	74.55	74.55	74.66	3
4	74.44	74.47	74.63	74.77	74.97	75.06	74.98	74.84	74.71	74.52	74.54	74.46	4
5	74.44	74.49	74.63	74.79	74.95	75.08	74.98	74.84	74.69	74.52	74.61	74.50	5
6	74.43	74.48	74.62	74.82	74.97	75.09	74.97	74.82	74.70	74.52	74.45	74.52	6
7	74.42	74.50	74.62	74.82	74.99	75.07	74.98	74.82	74.70	74.54	74.54	74.55	7
8	74.45	74.50	74.62	74.82	74.99	75.11	74.97	74.82	74.69	74.53	74.55	74.54	8
9	74.45	74.50	74.61	74.85	74.99	75.09	74.97	74.81	74.70	74.53	74.56	74.52	9
10	74.43	74.47	74.61	74.88	74.96	75.07	74.94	74.81	74.69	74.55	74.53	74.50	10
11	74.42	74.51	74.62	74.85	74.91	75.08	74.96	74.79	74.67	74.56	74.45	74.56	11
12	74.38	74.52	74.63	74.87	74.98	75.09	74.94	74.79	74.67	74.59	74.48	74.54	12
13	74.40	74.51	74.66	74.91	74.99	75.09	74.94	74.82	74.67	74.59	74.49	74.48	13
14	74.47	74.53	74.67	74.94	75.00	75.07	74.94	74.82	74.65	74.60	74.55	74.55	14
15	74.44	74.65	74.69	74.91	75.00	75.07	74.94	74.80	74.58	74.54	74.53	74.56	15
16	74.46	74.52	74.69	74.94	75.01	75.06	74.94	74.80	74.62	74.57	74.52	74.50	16
17	74.45	74.53	74.69	74.88	75.01	75.06	74.92	74.79	74.58	74.58	74.53	74.56	17
18	74.42	74.57	74.68	74.91	75.02	75.05	74.91	74.80	74.59	74.54	74.54	74.51	18
19	74.46	74.48	74.72	74.95	75.04	75.04	74.90	74.77	74.59	74.51	74.55	74.55	19
20	74.49	74.55	74.70	74.95	75.04	75.05	74.89	74.79	74.57	74.58	74.53	74.57	20
21	74.49	74.54	74.74	74.96	75.06	75.04	74.89	74.83	74.59	74.57	74.55	74.57	21
22	74.45	74.59	74.76	74.96	75.09	75.05	74.90	74.82	74.55	74.58	74.53	74.57	22
23	74.49	74.60	74.72	74.97	75.10	75.04	74.88	74.81	74.50	74.57	74.53	74.59	23
24	74.46	74.62	74.76	74.98	75.11	75.02	74.90	74.80	74.51	74.57	74.49	74.53	24
25	74.47	74.56	74.75	74.98	75.11	75.02	74.89	74.78	74.55	74.57	74.48	74.57	25
26	74.39	74.64	74.74	74.98	75.11	75.02	74.89	74.76	74.54	74.56	74.54	74.55	26
27	74.50	74.59	74.75	74.99	75.11	75.01	74.89	74.74	74.54	74.59	74.53	74.65	27
28	74.44	74.59	74.76	75.00	75.11	75.01	74.88	74.73	74.55	74.51	74.52	74.64	28
29	74.49		74.76	74.99	75.09	75.02	74.89	74.75	74.55	74.55	74.49	74.67	29
30	74.46		74.76	74.99	75.09	75.02	74.87	74.73	74.50	74.56	74.51	74.71	30
31	74.49		74.77		75.09		74.86	74.73		74.55		74.73	31
MEAN	74.45	74.54	74.68	74.90	75.03	75.06	74.93	74.80	74.62	74.55	74.53	74.56	MEAN
MAX	74.50	74.65	74.77	75.00	75.11	75.11	75.01	74.86	74.71	74.60	74.61	74.73	MAX
MIN	74.38	74.47	74.56	74.77	74.91	75.01	74.86	74.72	74.50	74.51	74.45	74.46	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 74.72
MAXIMUM DAILY, 75.11 ON MAY 24
MINIMUM DAILY, 74.38 ON JAN 12
MAXIMUM INSTANTANEOUS, 75.20 AT 23:00 EST ON JUN 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 17 59 N
LONG 079 47 34 W
DATA CONTRIBUTED BY - OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 13150 BURLINGTON

LAKE ONTARIO AT COBOURG - STATION NO. 02HD015

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	74.37	74.44	74.54	74.72	74.91	75.02	74.96	74.80	74.66	74.51	74.50	74.45	1
2	74.36	74.44	74.53	74.72	74.90	75.03	74.95	74.77	74.64	74.46	74.51	74.45	2
3	74.37	74.45	74.54	74.73	74.90	75.06	74.94	74.76	74.65	74.48	74.50	74.49	3
4	74.39	74.46	74.55	74.73	74.89	75.03	74.92	74.77	74.65	74.51	74.49	74.48	4
5	74.39	74.44	74.56	74.75	74.92	75.03	74.92	74.78	74.64	74.48	74.50	74.45	5
6	74.38	74.43	74.56	74.75	74.92	75.04	74.92	74.78	74.63	74.48	74.47	74.46	6
7	74.38	74.44	74.56	74.77	74.91	75.03	74.91	74.77	74.63	74.49	74.47	74.47	7
8	74.38	74.44	74.56	74.77	74.92	75.04	74.92	74.75	74.63	74.51	74.48	74.49	8
9	74.39	74.46	74.55	74.79	74.92	75.04	74.92	74.74	74.63	74.51	74.51	74.49	9
10	74.39	74.44	74.55	74.81	74.93	75.03	74.90	74.75	74.61	74.53	74.51	74.45	10
11	74.41	74.44	74.54	74.83	74.89	75.02	74.88	74.75	74.60	74.52	74.46	74.48	11
12	74.36	74.45	74.57	74.83	74.90	75.02	74.89	74.74	74.60	74.52	74.44	74.51	12
13	74.36	74.47	74.59	74.84	74.93	75.01	74.89	74.77	74.60	74.52	74.44	74.46	13
14	74.38	74.47	74.61	74.86	74.95	75.01	74.89	74.78	74.60	74.52	74.46	74.47	14
15	74.41	74.49	74.62	74.87	74.95	75.01	74.89	74.75	74.54	74.52	74.49	74.49	15
16	74.40	74.52	74.62	74.86	74.97	75.00	74.88	74.73	74.53	74.50	74.50	74.48	16
17	74.41	74.48	74.63	74.84	74.99	74.99	74.86	74.74	74.52	74.51	74.48	74.47	17
18	74.40	74.50	74.65	74.86	74.98	74.99	74.85	74.74	74.52	74.52	74.48	74.49	18
19	74.39	74.46	74.66	74.87	74.98	74.99	74.84	74.76	74.52	74.47	74.47	74.48	19
20	74.40	74.47	74.66	74.89	75.00	74.98	74.85	74.76	74.51	74.51	74.47	74.50	20
21	74.42	74.48	74.68	74.91	75.05	74.98	74.83	74.76	74.51	74.53	74.48	74.53	21
22	74.44	74.51	74.70	74.91	75.05	74.97	74.83	74.73	74.51	74.54	74.48	74.54	22
23	74.42	74.55	74.68	74.90	75.05	74.98	74.84	74.72	74.48	74.53	74.49	74.53	23
24	74.43	74.56	74.70	74.91	75.04	74.96	74.84	74.71	74.47	74.53	74.46	74.54	24
25	74.44	74.55	74.70	74.93	75.05	74.95	74.83	74.71	74.48	74.52	74.43	74.54	25
26	74.40	74.57	74.67	74.92	75.04	74.95	74.82	74.68	74.50	74.52	74.43	74.50	26
27	74.43	74.55	74.69	74.92	75.05	74.96	74.83	74.67	74.51	74.52	74.48	74.55	27
28	74.41	74.54	74.70	74.93	75.04	74.95	74.83	74.67	74.51	74.50	74.47	74.61	28
29	74.44		74.71	74.94	75.05	74.96	74.82	74.67	74.52	74.49	74.45	74.62	29
30	74.45		74.73	74.92	75.04	74.95	74.82	74.66	74.51	74.49	74.45	74.67	30
31	74.43		74.72		75.03		74.82	74.66		74.50		74.68	31
MEAN	74.40	74.48	74.62	74.84	74.97	75.00	74.87	74.74	74.56	74.51	74.47	74.51	MEAN
MAX	74.45	74.57	74.73	74.94	75.05	75.06	74.96	74.80	74.66	74.54	74.51	74.68	MAX
MIN	74.36	74.43	74.53	74.72	74.89	74.95	74.82	74.66	74.47	74.46	74.43	74.45	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 74.67
MAXIMUM DAILY, 75.06 ON JUN 03
MINIMUM DAILY, 74.36 ON JAN 02
MAXIMUM INSTANTANEOUS,
75.19 AT 19:00 EST ON JUN 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 57 28 N
LONG 078 09 54 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 13590 COBOURG

LAKE ONTARIO AT KINGSTON - STATION NO. 02HM008

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	74.38	74.40	74.55	74.65	74.87	74.99	74.91	74.75	74.64	74.47	74.45	74.45	1
2	74.39	74.34	74.54	74.65	74.86	74.98	74.91	74.75	74.60	74.47	74.47	74.41	2
3	74.35	74.34	74.54	74.67	74.84	74.99	74.91	74.75	74.58	74.46	74.46	74.36	3
4	74.36	74.37	74.52	74.72	74.83	75.02	74.92	74.74	74.58	74.51	74.45	74.52	4
5	74.35	74.40	74.50	74.75	74.83	75.00	74.90	74.77	74.58	74.49	74.38	74.46	5
6	74.36	74.40	74.48	74.74	74.85	74.99	74.89	74.74	74.57	74.48	74.53	74.48	6
7	74.36	74.40	74.49	74.75	74.86	75.00	74.88	74.73	74.56	74.45	74.46	74.46	7
8	74.34	74.39	74.48	74.75	74.85	74.97	74.88	74.72	74.55	74.42	74.45	74.46	8
9	74.34	74.41	74.48	74.74	74.86	74.99	74.89	74.72	74.57	74.40	74.47	74.47	9
10	74.35	74.42	74.49	74.74	74.88	75.00	74.87	74.70	74.55	74.39	74.46	74.45	10
11	74.38	74.40	74.48	74.80	74.93	74.98	74.85	74.70	74.52	74.46	74.49	74.43	11
12	74.39	74.41	74.51	74.80	74.87	74.98	74.82	74.69	74.54	74.44	74.45	74.42	12
13	74.36	74.42	74.54	74.80	74.87	74.97	74.82	74.70	74.52	74.46	74.45	74.47	13
14	74.30	74.40	74.54	74.81	74.89	74.97	74.81	74.72	74.55	74.46	74.45	74.42	14
15	74.35	74.35	74.55	74.83	74.89	74.95	74.83	74.72	74.55	74.49	74.45	74.42	15
16	74.33	74.44	74.57	74.82	74.88	74.95	74.82	74.71	74.52	74.47	74.45	74.43	16
17	74.34	74.47	74.59	74.87	74.95	74.94	74.82	74.71	74.52	74.49	74.42	74.41	17
18	74.39	74.47	74.63	74.85	74.98	74.95	74.82	74.70	74.51	74.52	74.42	74.47	18
19	74.36	74.50	74.61	74.83	74.96	74.95	74.81	74.64	74.51	74.52	74.42	74.43	19
20	74.36	74.45	74.65	74.84	74.92	74.93	74.82	74.65	74.49	74.48	74.42	74.42	20
21	74.31	74.47	74.66	74.85	74.97	74.93	74.81	74.64	74.48	74.52	74.41	74.46	21
22	74.39	74.46	74.67	74.86	74.99	74.93	74.80	74.64	74.52	74.49	74.44	74.46	22
23	74.37	74.48	74.69	74.85	74.98	74.94	74.80	74.64	74.51	74.45	74.43	74.49	23
24	74.40	74.45	74.66	74.84	75.00	74.95	74.80	74.64	74.50	74.48	74.46	74.53	24
25	74.37	74.49	74.69	74.87	75.00	74.94	74.80	74.64	74.50	74.46	74.48	74.58	25
26	74.43	74.50	74.67	74.87	74.99	74.93	74.79	74.63	74.50	74.44	74.39	74.56	26
27	74.39	74.55	74.68	74.86	74.99	74.94	74.78	74.64	74.48	74.47	74.46	74.52	27
28	74.41	74.53	74.67	74.84	74.98	74.91	74.78	74.65	74.46	74.50	74.46	74.54	28
29	74.35		74.62	74.84	74.97	74.91	74.76	74.65	74.43	74.46	74.44	74.58	29
30	74.40		74.65	74.84	75.00	74.91	74.77	74.65	74.47	74.47	74.45	74.59	30
31	74.40		74.65		75.00		74.76	74.64		74.45		74.62	31
MEAN	74.37	74.43	74.58	74.80	74.92	74.96	74.83	74.69	74.53	74.47	74.45	74.48	MEAN
MAX	74.43	74.55	74.69	74.87	75.00	75.02	74.92	74.77	74.64	74.52	74.53	74.62	MAX
MIN	74.30	74.34	74.48	74.65	74.83	74.91	74.76	74.63	74.43	74.39	74.38	74.36	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 74.63
MAXIMUM DAILY, 75.02 ON JUN 04
MINIMUM DAILY, 74.30 ON JAN 14
MAXIMUM INSTANTANEOUS,
75.12 AT 15:00 EST ON MAY 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 13 03 N
LONG 076 31 03 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 13988 KINGSTON

LAKE ONTARIO AT PORT WELLER - STATION NO. 02HA018

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	74.37	74.43	74.53	74.73	74.92	75.05	74.95	74.81	74.66	74.49	74.51	74.46	1
2	74.36	74.46	74.55	74.74	74.91	75.05	74.93	74.79	74.66	74.47	74.50	74.46	2
3	74.40	74.48	74.56	74.74	74.92	75.05	74.95	74.79	74.65	74.50	74.50	74.55	3
4	74.39	74.45	74.57	74.73	74.94	75.03	74.93	74.78	74.65	74.48	74.49	74.45	4
5	74.39	74.44	74.58	74.76	74.92	75.04	74.93	74.78	74.65	74.48	74.55	74.47	5
6	74.38	74.44	74.58	74.78	74.93	75.05	74.92	74.77	74.64	74.48	74.43	74.48	6
7	74.37	74.44	74.57	74.78	74.94	75.03	74.92	74.77	74.64	74.49	74.49	74.50	7
8	74.40	74.46	74.57	74.78	74.94	75.05	74.92	74.76	74.63	74.49	74.49	74.49	8
9	74.40	74.45	74.57	74.81	74.94	75.04	74.90	74.75	74.64	74.49	74.51	74.48	9
10	74.39	74.43	74.56	74.82	74.93	75.02	74.89	74.74	74.63	74.52	74.49	74.48	10
11	74.38	74.46	74.58	74.82	74.89	75.02	74.90	74.73	74.63	74.50	74.44	74.50	11
12	74.36	74.46	74.60	74.84	74.93	75.03	74.89	74.73	74.61	74.54	74.46	74.51	12
13	74.37	74.47	74.60	74.86	74.94	75.04	74.88	74.76	74.61	74.53	74.47	74.46	13
14	74.43	74.47	74.62	74.88	74.95	75.02	74.88	74.76	74.60	74.54	74.49	74.50	14
15	74.40	74.55	74.63	74.87	74.95	75.01	74.87	74.76	74.58	74.51	74.48	74.50	15
16	74.40	74.50	74.63	74.88	74.98	75.00	74.87	74.75	74.57	74.52	74.49	74.48	16
17	74.41	74.48	74.65	74.86	74.99	75.00	74.87	74.74	74.54	74.53	74.49	74.50	17
18	74.39	74.53	74.65	74.87	74.98	74.99	74.86	74.74	74.54	74.51	74.50	74.48	18
19	74.42	74.46	74.68	74.90	75.00	74.99	74.85	74.75	74.54	74.50	74.48	74.50	19
20	74.43	74.51	74.67	74.90	75.05	74.99	74.85	74.74	74.53	74.55	74.48	74.54	20
21	74.45	74.50	74.69	74.91	75.03	74.98	74.84	74.76	74.54	74.53	74.51	74.52	21
22	74.41	74.53	74.72	74.91	75.04	74.99	74.84	74.76	74.51	74.52	74.49	74.54	22
23	74.44	74.56	74.69	74.92	75.05	74.99	74.83	74.75	74.50	74.53	74.49	74.55	23
24	74.43	74.59	74.72	74.93	75.05	74.96	74.84	74.74	74.49	74.53	74.46	74.53	24
25	74.46	74.55	74.70	74.92	75.06	74.96	74.83	74.72	74.51	74.53	74.45	74.54	25
26	74.38	74.58	74.70	74.93	75.06	74.97	74.83	74.71	74.50	74.53	74.50	74.53	26
27	74.45	74.56	74.70	74.94	75.05	74.96	74.83	74.69	74.49	74.54	74.49	74.59	27
28	74.41	74.56	74.71	74.95	75.06	74.96	74.82	74.68	74.49	74.49	74.47	74.62	28
29	74.47		74.75	74.95	75.05	74.96	74.82	74.68	74.49	74.51	74.45	74.63	29
30	74.44		74.74	74.94	75.03	74.97	74.81	74.68	74.48	74.51	74.46	74.66	30
31	74.44		74.73		75.04		74.81	74.67		74.52		74.69	31
MEAN	74.41	74.49	74.64	74.86	74.98	75.01	74.87	74.74	74.57	74.51	74.48	74.52	MEAN
MAX	74.47	74.59	74.75	74.95	75.06	75.05	74.95	74.81	74.66	74.55	74.55	74.69	MAX
MIN	74.36	74.43	74.53	74.73	74.89	74.96	74.81	74.67	74.48	74.47	74.43	74.45	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 74.68
MAXIMUM DAILY, 75.06 ON MAY 25
MINIMUM DAILY, 74.36 ON JAN 02
MAXIMUM INSTANTANEOUS,
75.12 AT 23:15 EST ON JUN 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 14 12 N
LONG 079 13 12 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 13030 PORT WELLER

LAKE ONTARIO AT TORONTO - STATION NO. 02HC048

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	74.36	74.42	74.54	74.74	74.92	75.05	74.95	74.80	74.66	74.49	74.52	74.46	1
2	74.38	74.47	74.54	74.75	74.93	75.05	74.94	74.79	74.64	74.45	74.51	74.45	2
3	74.39	74.48	74.54	74.76	74.93	75.05	74.95	74.78	74.66	74.51	74.51	74.57	3
4	74.38	74.46	74.56	74.74	74.93	75.03	74.92	74.78	74.66	74.48	74.48	74.48	4
5	74.39	74.47	74.57	74.75	74.93	75.04	74.91	74.78	74.65	74.50	74.55	74.47	5
6	74.38	74.43	74.58	74.78	74.92	75.05	74.93	74.76	74.67	74.49	74.43	74.47	6
7	74.39	74.44	74.55	74.79	74.92	75.03	74.92	74.76	74.66	74.49	74.49	74.50	7
8	74.39	74.45	74.56	74.79	74.95	75.05	74.91	74.76	74.65	74.50	74.50	74.49	8
9	74.41	74.45	74.59	74.81	74.93	75.05	74.92	74.75	74.64	74.48	74.52	74.48	9
10	74.38	74.43	74.56	74.84	74.93	75.03	74.89	74.74	74.62	74.57	74.50	74.47	10
11	74.39	74.46	74.55	74.82	74.88	75.03	74.90	74.73	74.63	74.53	74.43	74.51	11
12	74.36	74.46	74.63	74.83	74.93	75.03	74.89	74.74	74.61	74.53	74.43	74.51	12
13	74.37	74.44	74.61	74.85	74.94	75.03	74.89	74.75	74.61	74.53	74.45	74.45	13
14	74.42	74.47	74.61	74.89	74.94	75.01	74.89	74.76	74.62	74.55	74.50	74.51	14
15	74.41	74.55	74.63	74.88	74.94	75.04	74.88	74.75	74.53	74.49	74.50	74.51	15
16	74.40	74.50	74.62	74.88	74.98	75.01	74.88	74.75	74.57	74.51	74.48	74.48	16
17	74.40	74.45	74.63	74.86	74.97	75.00	74.88	74.74	74.53	74.55	74.48	74.51	17
18	74.37	74.52	74.63	74.88	75.00	75.02	74.85	74.74	74.53	74.53	74.50	74.48	18
19	74.41	74.44	74.66	74.90	74.98	74.98	74.83	74.76	74.52	74.47	74.48	74.49	19
20	74.43	74.49	74.65	74.92	75.05	75.01	74.83	74.78	74.51	74.55	74.48	74.56	20
21	74.46	74.51	74.69	74.91	75.04	74.99	74.85	74.77	74.53	74.53	74.49	74.53	21
22	74.43	74.53	74.72	74.92	75.05	74.98	74.84	74.77	74.53	74.55	74.51	74.54	22
23	74.44	74.54	74.66	74.93	75.05	75.00	74.84	74.75	74.47	74.52	74.48	74.56	23
24	74.44	74.60	74.71	74.94	75.05	74.97	74.84	74.73	74.48	74.53	74.44	74.50	24
25	74.47	74.53	74.71	74.95	75.06	74.97	74.83	74.71	74.50	74.52	74.45	74.55	25
26	74.40	74.58	74.69	74.94	75.06	74.97	74.83	74.71	74.48	74.52	74.50	74.52	26
27	74.47	74.54	74.70	74.95	75.07	74.94	74.83	74.69	74.49	74.54	74.49	74.59	27
28	74.41	74.54	74.71	74.95	75.05	74.95	74.83	74.70	74.52	74.47	74.47	74.63	28
29	74.46		74.74	74.95	75.06	74.94	74.83	74.69	74.50	74.50	74.45	74.64	29
30	74.44		74.74	74.95	75.03	74.96	74.82	74.67	74.48	74.51	74.47	74.63	30
31	74.43		74.74		75.05		74.81	74.66		74.52		74.67	31
MEAN	74.41	74.49	74.63	74.86	74.98	75.01	74.87	74.74	74.57	74.51	74.48	74.52	MEAN
MAX	74.47	74.60	74.74	74.95	75.07	75.05	74.95	74.80	74.67	74.57	74.55	74.67	MAX
MIN	74.36	74.42	74.54	74.74	74.88	74.94	74.81	74.66	74.47	74.45	74.43	74.45	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 74.68
MAXIMUM DAILY, 75.07 ON MAY 27
MINIMUM DAILY, 74.36 ON JAN 01
MAXIMUM INSTANTANEOUS,
75.17 AT 00:00 EST ON JUN 04

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 38 36 N
LONG 079 22 50 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 13320 TORONTO

LAKE SIMCOE NEAR GAMEBRIDGE - STATION NO. 02EC015

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	10.026	10.046	10.086	10.343	10.381	10.381	10.391	10.305	10.129	10.040	10.024	10.080	1
2	10.020	10.049	10.083	10.349	10.377	10.380	10.385	10.293	10.116	10.031	10.029	10.067	2
3	10.015	10.047	10.081	10.364	10.365	10.390	10.386	10.282	10.101	10.020	10.025	10.010	3
4	10.017	10.053	10.074	10.378	10.358	10.401	10.391	10.283	10.103	10.051	10.028	10.092	4
5	10.018	10.047	10.070	10.389	10.366	10.389	10.381	10.276	10.109	10.046	10.003	10.079	5
6	10.016	10.047	10.065	10.394	10.372	10.386	10.368	10.265	10.112	10.039	10.074	10.092	6
7	10.012	10.045	10.059	10.396	10.368	10.382	10.363	10.260	10.100	10.029	10.054	10.079	7
8	10.008	10.040	10.054	10.396	10.371	10.371	10.364	10.255	10.087	10.016	10.043	10.076	8
9	10.006	10.045	10.052	10.395	10.377	10.377	10.377	10.242	10.083	10.030	10.040	10.078	9
10	10.016	10.051	10.048	10.406	10.401	10.382	10.374	10.235	10.087	10.037	10.051	10.074	10
11	10.015	10.049	10.047	10.423	10.421	10.371	10.356	10.230	10.077	10.059	10.074	10.046E	11
12	10.019	10.048	10.115	10.426	10.385	10.368	10.340	10.220	10.077	10.056	10.061	10.053E	12
13	10.018	10.050	10.169	10.426	10.376	10.376	10.338	10.227	10.074	10.059	10.045	10.066A	13
14	10.015	10.053	10.220	10.426	10.377	10.378	10.333	10.228	10.091	10.063	10.035	10.077E	14
15	10.015	10.058	10.257	10.430	10.375	10.383	10.348	10.225	10.095	10.083	10.039	10.071E	15
16	10.010	10.066	10.282	10.429	10.365	10.384	10.351	10.213	10.069	10.063	10.042	10.065E	16
17	10.014	10.069	10.294	10.435	10.401	10.385	10.341	10.212	10.060	10.067	10.033	10.060E	17
18	10.022	10.061	10.307	10.429	10.433	10.392	10.346	10.210	10.050	10.093	10.028	10.069A	18
19	10.026	10.062	10.310	10.429	10.408	10.387	10.337	10.191	10.048	10.083	10.027	10.066E	19
20	10.024	10.059	10.312	10.417	10.393	10.372	10.364	10.180	10.044	10.055	10.027	10.064E	20
21	10.026	10.054	10.310	10.423	10.409	10.372	10.360	10.175	10.033	10.061	10.023	10.063E	21
22	10.033	10.062	10.317	10.419	10.419	10.368	10.346	10.169	10.050	10.057	10.047	10.073A	22
23	10.033	10.086	10.328	10.414	10.419	10.377	10.350	10.168	10.049	10.051	10.061	10.087A	23
24	10.036	10.089	10.330	10.410	10.416	10.384	10.348	10.168	10.042	10.050	10.080	10.150A	24
25	10.036	10.094	10.333	10.406	10.414	10.368	10.341	10.163	10.025	10.046	10.093	10.140E	25
26	10.042	10.090	10.339	10.402	10.410	10.375	10.333	10.160	10.017	10.040	10.047	10.130E	26
27	10.038	10.090	10.337	10.397	10.406	10.369	10.329	10.161	10.011	10.044	10.063	10.120E	27
28	10.043	10.091	10.338	10.390	10.400	10.356	10.320	10.164	10.011	10.055	10.087	10.110E	28
29	10.044		10.336	10.385	10.389	10.367	10.316	10.157	9.999	10.032	10.089	10.125E	29
30	10.047		10.341	10.383	10.390	10.380	10.321	10.138	10.027	10.035	10.084	10.145E	30
31	10.047		10.344		10.385		10.310	10.132		10.024		10.160E	31
MEAN	10.024	10.061	10.214	10.403	10.391	10.379	10.352	10.212	10.066	10.049	10.049	10.087	MEAN
MAX	10.047	10.094	10.344	10.435	10.433	10.403	10.393	10.305	10.129	10.093	10.093	10.160	MAX
MIN	10.006	10.040	10.047	10.343	10.358	10.356	10.310	10.132	9.999	10.016	10.003	10.010	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 10.191
MAXIMUM DAILY, 10.435 ON APR 17
MINIMUM DAILY, 9.999 ON SEP 29
MAXIMUM INSTANTANEOUS,
10.561 AT 13:31 EST ON MAY 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 28 22 N
LONG 079 10 02 W

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 208.724 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - PRIOR TO JUNE 1982 PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS, CAN. HYDROGRAPHIC SERVICE AS 16500 GAMEBRIDGE ONT

LAKE ST. CLAIR AT BELLE RIVER - STATION NO. 02GH005

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	174.74	174.69	174.85	174.85	174.89	174.98	175.05	175.04	175.01	174.93	174.88	174.78	1
2	174.72	174.80	174.83	174.86	174.88	174.96	175.03	175.03	175.04	174.93	174.85	174.87	2
3	174.71	174.79	174.86	174.96	174.88	174.93	175.01	175.02	175.03	174.89	174.85	174.90	3
4	174.71	174.79	174.85	174.91	174.93	175.01	175.00	175.01	175.00	174.89	174.89	174.86	4
5	174.72	174.71	174.87	174.90	174.95	174.97	175.04	175.05	175.00	174.87	174.89	174.84	5
6	174.72	174.72	174.89	174.89	174.91	174.97	175.05	175.06	174.99	174.86	174.94	174.86	6
7	174.72	174.72	174.89	174.90	174.88	174.99	175.02	175.03	175.12	174.92	174.95	174.84	7
8	174.71	174.70	174.88	174.86	174.86	175.00	174.99	175.01	175.10	174.97	174.96	174.86	8
9	174.68	174.73	174.85	174.84	174.86	175.01	175.02	175.01	175.08	175.03	174.94	174.84	9
10	174.67	174.75	174.85	174.93	174.76	175.02	175.03	175.01	175.05	174.99	174.97	174.87	10
11	174.65	174.76	174.87	174.94	174.83	175.01	175.04	175.01	175.07	174.99	174.93	174.87	11
12	174.63	174.74	174.87	174.92	174.85	174.98	175.09	175.01	175.04	175.02	174.95	174.83	12
13	174.63	174.74	174.88	174.90	174.93	174.97	175.08	175.05	175.03	175.02	174.94	174.88	13
14	174.61	174.82	174.89	174.90	174.91	175.00	175.08	175.03	175.01	174.99	174.89	174.86	14
15	174.58	174.84	174.88	174.90	174.92	175.01	175.06	175.01	175.06	174.97	174.85	174.86	15
16	174.57	174.80	174.88	174.90	174.95	175.00	175.03	175.02	175.11	174.96	174.88	174.86	16
17	174.59	174.79	174.86	174.95	174.96	174.98	175.03	175.02	175.09	174.92	174.90	174.84	17
18	174.65	174.75	174.87	174.89	174.97	175.00	175.02	175.02	175.05	174.88	174.87	174.86	18
19	174.67	174.76	174.92	174.88	175.00	175.02	175.03	175.07	175.06	174.95	174.86	174.87	19
20	174.70	174.76	174.88	174.89	175.03	174.99	175.04	175.07	175.05	174.93	174.85	174.87	20
21	174.72	174.74	174.85	174.92	175.04	175.00	175.05	175.06	175.02	174.92	174.83	174.88	21
22	174.71	174.84	174.83	174.91	175.03	174.98	175.07	175.07	175.01	174.96	174.83	174.90	22
23	174.70	174.97	174.88	174.91	175.02	174.97	175.05	175.05	175.03	174.96	174.80	174.97	23
24	174.68	175.03	174.86	174.90	175.01	175.00	175.05	175.04	174.94	174.96	174.81	174.89	24
25	174.62	174.98	174.83	174.89	175.00	175.00	175.04	175.02	174.90	175.01	174.84	174.81	25
26	174.65	174.93	174.87	174.89	175.01	174.99	175.04	175.01	174.96	174.96	174.86	174.89	26
27	174.63	174.91	174.86	174.86	175.01	175.02	175.04	175.01	174.94	174.88	174.83	174.93	27
28	174.68	174.89	174.85	174.88	175.01	175.02	175.04	175.00	174.96	174.95	174.82	174.94	28
29	174.70		174.86	174.88	175.06	175.02	175.02	175.03	174.98	174.90	174.85	174.96	29
30	174.67		174.86	174.88	175.02	175.03	175.05	175.03	174.98	174.88	174.78	175.12	30
31	174.70		174.86		174.99		175.07	175.03		174.90		175.11	31
MEAN	174.67	174.80	174.87	174.90	174.95	174.99	175.04	175.03	175.02	174.94	174.88	174.89	MEAN
MAX	174.74	175.03	174.92	174.96	175.06	175.03	175.09	175.07	175.12	175.03	174.97	175.12	MAX
MIN	174.57	174.69	174.83	174.84	174.76	174.93	174.99	175.00	174.90	174.86	174.78	174.78	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 174.92
MAXIMUM DAILY, 175.12 ON SEP 07
MINIMUM DAILY, 174.57 ON JAN 16
MAXIMUM INSTANTANEOUS,
175.25 AT 17:30 EST ON FEB 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 17 49 N
LONG 082 42 37 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 11965 BELLE RIVER

LAKE ST. CLAIR AT TECUMSEH - STATION NO. 02GH006

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	174.71	174.63	174.80	174.83	174.81	174.95	---	174.98	174.96	---	---	174.81	1
2	174.67	174.65	174.78	174.81	174.85	174.92	---	174.97	174.98	---	---	174.92	2
3	174.67	174.67	174.83	174.83	174.87	174.83	---	174.97	174.99	---	---	175.07	3
4	174.68	174.66	174.80	174.82	174.93	---	---	174.96	174.94	---	---	174.80	4
5	174.68	174.62	174.83	174.83	174.90	---	---	175.00	174.94	174.81	---	174.86	5
6	174.68	174.62	174.84	174.85	174.87	---	---	175.00	174.94	174.81	---	174.90	6
7	174.67	174.64	174.85	174.82	174.83	---	---	175.00	175.04	174.88	174.97	---	7
8	174.66	174.65	174.83	174.83	174.82	---	---	174.99	175.06	174.93	175.00	174.92	8
9	174.63	174.69	174.81	174.80	174.84	---	---	174.99	175.03	175.00	175.00	174.90	9
10	174.61	174.67	174.81	174.86	174.61	---	---	174.99	174.99	174.97	174.98	174.94	10
11	174.56	174.73	174.83	174.88	174.74	---	---	174.99	175.02	174.94	174.90	174.95	11
12	174.54	174.71	174.84	174.87	174.83	---	---	174.98	174.99	174.98	174.95	174.91	12
13	174.58	174.70	174.86	174.88	174.88	---	---	175.03	174.98	174.98	174.98	174.87	13
14	174.57	174.78	174.86	174.88	174.88	---	---	175.01	174.93	174.95	174.95	174.94	14
15	174.54	174.85	174.86	174.87	174.89	---	---	174.98	174.97	174.89	174.91	174.93	15
16	174.54	174.68	174.86	174.87	174.92	---	---	174.99	175.05	174.93	174.90	174.90	16
17	174.55	174.70	174.79	174.83	174.85	---	---	175.00	175.02	174.89	174.93	174.93	17
18	174.57	174.70	174.79	174.85	174.86	---	---	174.98	175.01	174.72	174.94	174.91	18
19	174.63	174.65	174.87	174.86	174.97	---	---	175.09	174.99	174.86	174.92	174.94	19
20	174.67	174.69	174.85	174.86	174.99	---	---	175.09	174.99	174.91	174.92	174.98	20
21	174.63	174.70	174.82	174.89	175.00	---	---	175.10	174.98	174.88	174.91	174.96	21
22	174.62	174.78	174.80	174.88	175.00	---	---	175.08	174.91	174.92	174.89	174.96	22
23	174.66	174.91	174.80	174.88	174.98	---	---	175.07	174.89	174.92	174.82	175.00	23
24	174.61	174.90	174.83	174.87	174.98	---	---	175.00	174.86	174.91	174.85	174.89	24
25	174.56	174.88	174.78	174.86	174.97	---	174.99	174.97	174.84	174.91	174.88	174.85	25
26	174.57	174.87	174.83	174.86	174.97	---	174.99	174.99	174.91	174.90	174.95	174.93	26
27	174.59	174.84	174.84	174.86	174.97	---	175.00	174.99	174.91	174.83	174.89	175.00	27
28	174.61	174.84	174.83	174.86	174.97	---	174.99	174.97	174.91	174.82	174.82	175.00	28
29	174.67		174.88	174.85	174.98	---	174.98	175.01	174.93	174.86	174.85	175.02	29
30	174.62		174.85	174.85	174.96	---	175.00	175.01	174.91	174.84	174.83	175.13	30
31	174.64		174.84		174.94		175.00	175.01		174.87		175.15	31
MEAN	174.62	174.73	174.83	174.85	174.90	---	---	175.01	174.96	---	---	---	MEAN
MAX	174.71	174.91	174.88	174.89	175.00	---	---	175.10	175.06	---	---	---	MAX
MIN	174.54	174.62	174.78	174.80	174.61	---	---	174.97	174.84	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 175.15 ON DEC 31
MINIMUM DAILY, 174.54 ON JAN 12
MAXIMUM INSTANTANEOUS,
175.34 AT 08:32 EST ON DEC 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 20 22 N
LONG 082 55 24 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 11975 TECUMSEH

LAKE ST. JOSEPH ABOVE RAT RAPIDS DAM - STATION NO. 04GA004

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	372.510	372.340	372.190	372.010	372.100	372.520	373.180	373.760	373.570	373.650	373.140	372.840	1
2	372.510	372.330	372.170	372.000	372.120	372.410	373.210	373.760	373.560	373.610	373.160	372.830	2
3	372.500	372.330	372.160	372.000	372.130	372.480	373.180	373.750	373.580	373.620	373.190	372.810	3
4	372.500	372.330	372.150	372.000	372.140	372.560	373.230	373.740	373.630	373.700	373.120	372.800	4
5	372.480	372.330	372.140	372.000	372.160	372.560	373.280	373.730	373.650	373.650	373.080	372.790	5
6	372.480	372.320	372.130	372.000	372.170	372.620	373.310	373.730	373.610	373.600	373.090	372.780	6
7	372.480	372.310	372.130	371.980	372.180	372.610	373.340	373.740	373.630	373.580	373.090	372.770	7
8	372.460	372.310	372.120	371.980	372.200	372.630	373.410	373.760	373.660	373.550	373.070	372.760	8
9	372.460	372.290	372.120	371.980	372.230	372.670	373.450	373.710	373.630	373.530	373.060	372.740	9
10	372.450	372.300	372.120	371.970	372.250	372.680	373.460	373.700	373.660	373.510	373.080	372.730	10
11	372.470	372.290	372.100	371.970	372.260	372.730	373.460	373.700	373.670	373.510	373.060	372.730	11
12	372.460	372.280	372.090	371.970	372.290	372.750	373.520	373.690	373.620	373.480	373.010	372.730	12
13	372.450	372.280	372.090	371.950	372.300	372.790	373.550	373.720	373.620	373.450	372.970	372.730	13
14	372.440	372.270	372.090	371.940	372.320	372.790	373.570	373.690	373.660	373.440	372.970	372.720	14
15	372.440	372.250	372.070	371.940	372.330	372.820	373.580	373.640	373.660	373.450	372.950	372.710	15
16	372.430	372.240	372.080	371.940	372.330	372.830	373.610	373.630	373.660	373.410	372.940	372.700	16
17	372.430	372.240	372.090	371.940	372.360	372.820	373.620	373.590	373.690	373.340	372.920	372.680	17
18	372.420	372.240	372.080	371.920	372.390	372.860	373.670	373.540	373.710	373.340	372.910	372.670	18
19	372.400	372.230	372.080	371.930	372.380	372.880	373.670	373.540	373.730	373.320	372.900	372.660	19
20	372.400	372.220	372.070	371.930	372.390	372.900	373.680	373.550	373.680	373.320	372.890	372.660	20
21	372.390	372.230	372.060	371.920	372.400	372.940	373.690	373.540	373.680	373.340	372.910	372.650	21
22	372.400	372.210	372.070	371.920	372.420	372.950	373.710	373.530	373.690	373.280	372.920	372.650	22
23	372.380	372.200	372.060	371.950	372.430	372.980	373.730	373.510	373.750	373.280	372.920	372.650	23
24	372.390	372.200	372.050	371.970	372.440	373.020	373.750	373.510	373.730	373.260	372.900	372.630	24
25	372.390	372.190	372.050	371.980	372.450	373.040	373.750	373.500	373.730	373.250	372.890	372.620	25
26	372.370	372.190	372.040	372.000	372.460	373.040	373.740	373.520	373.750	373.240	372.870	372.610	26
27	372.380	372.190	372.030	372.010	372.470	373.070	373.740	373.530	373.740	373.260	372.860	372.600	27
28	372.360	372.180	372.020	372.030	372.440	373.080	373.760	373.560	373.690	373.230	372.860	372.610	28
29	372.350		372.020	372.060	372.470	373.130	373.750	373.560	373.660	373.220	372.850	372.600	29
30	372.360		372.020	372.080	372.490	373.150	373.760	373.570	373.660	373.190	372.840	372.580	30
31	372.350		372.020		372.520		373.780	373.570		373.160		372.570	31
MEAN	372.429	372.261	372.087	371.976	372.323	372.810	373.553	373.631	373.665	373.412	372.981	372.697	MEAN
MAX	372.510	372.340	372.190	372.080	372.520	373.150	373.780	373.760	373.750	373.700	373.190	372.840	MAX
MIN	372.350	372.180	372.020	371.920	372.100	372.410	373.180	373.500	373.560	373.160	372.840	372.570	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 372.823
MAXIMUM DAILY, 373.780 ON JUL 31
MINIMUM DAILY, 371.920 ON APR 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 11 40 N
LONG 090 13 20 W
DATA CONTRIBUTED BY -
ONTARIO HYDRO

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE ST. JOSEPH DIVERSION ABOVE CONTROL DAM - STATION NO. 05QB005

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	371.790	371.650	371.500	371.420	371.480	371.750	373.200	373.580	373.630	372.860	372.420	372.150	1
2	371.800	371.640	371.510	371.410	371.490	371.910	373.250	373.570	373.650	372.840	372.380	372.070	2
3	371.790	371.650	371.510	371.390	371.500	371.930	373.340	373.600	373.650	372.830	372.320	372.070	3
4	371.780	371.640	371.510	371.390	371.520	371.870	373.390	373.610	373.670	372.760	372.260	372.060	4
5	371.770	371.640	371.500	371.380	371.530	371.890	373.350	373.610	373.660	372.760	372.350	372.040	5
6	371.770	371.630	371.490	371.370	371.540	371.880	373.370	373.590	373.710	372.770	372.300	372.030	6
7	371.770	371.640	371.490	371.370	371.570	371.930	373.410	373.580	373.690	372.750	372.300	372.030	7
8	371.780	371.630	371.490	371.370	371.590	371.960	373.430	373.560	373.670	372.750	372.280	372.020	8
9	371.770	371.630	371.470	371.370	371.600	371.980	373.460	373.600	373.710	372.730	372.260	372.010	9
10	371.770	371.610	371.470	371.370	371.600	372.010	373.500	373.300	373.690	372.710	372.230	372.000	10
11	371.760	371.610	371.480	371.350	371.620	371.980	373.530	372.920	373.700	372.670	372.220	372.000	11
12	371.750	371.610	371.480	371.350	371.620	372.030	373.550	372.890	373.770	372.670	372.240	372.000	12
13	371.750	371.600	371.470	371.350	371.630	372.040	373.550	372.820	373.760	372.660	372.240	371.980	13
14	371.750	371.580	371.470	371.350	371.650	372.080	373.570	372.820	373.750	372.660	372.220	372.010	14
15	371.740	371.590	371.480	371.340	371.670	372.080	373.590	372.840	373.750	372.610	372.220	371.970	15
16	371.730	371.590	371.470	371.340	371.690	372.100	373.610	372.830	373.760	372.610	372.200	371.960	16
17	371.730	371.570	371.460	371.330	371.690	372.150	373.630	372.840	373.740	372.660	372.190	371.940	17
18	371.720	371.570	371.460	371.320	371.690	372.160	373.630	372.850	373.740	372.620	372.180	371.940	18
19	371.720	371.560	371.440	371.310	371.720	372.170	373.650	372.800	373.740	372.600	372.180	371.930	19
20	371.720	371.560	371.460	371.340	371.730	372.200	373.680	372.770	373.780	372.570	372.170	371.920	20
21	371.710	371.550	371.460	371.330	371.730	372.520	373.710	372.750	373.810	372.530	372.160	371.910	21
22	371.700	371.560	371.440	371.350	371.740	372.770	373.730	372.730	373.810	372.550	372.110	371.890	22
23	371.700	371.560	371.430	371.360	371.750	372.790	373.750	372.970	373.750	372.530	372.120	371.870	23
24	371.700	371.540	371.420	371.380	371.760	372.780	373.660	373.460	373.790	372.520	372.150	371.870	24
25	371.690	371.530	371.430	371.430	371.770	372.800	373.580	373.570	373.800	372.490	372.130	371.860	25
26	371.690	371.530	371.420	371.430	371.770	372.850	373.590	373.580	373.410	372.470	372.140	371.830	26
27	371.670	371.530	371.420	371.450	371.780	372.860	373.590	373.590	372.920	372.460	372.130	371.840	27
28	371.670	371.520	371.420	371.470	371.820	373.010	373.580	373.580	372.930	372.440	372.120	371.830	28
29	371.670		371.410	371.460	371.790	373.170	373.590	373.600	372.920	372.420	372.110	371.830	29
30	371.660		371.390	371.470	371.780	373.200	373.590	373.610	372.880	372.420	372.100	371.820	30
31	371.660		371.410		371.760		373.560	373.620		372.420		371.820	31
MEAN	371.732	371.590	371.460	371.378	371.664	372.295	373.536	373.259	373.608	372.624	372.218	371.952	MEAN
MAX	371.800	371.650	371.510	371.470	371.820	373.200	373.750	373.620	373.810	372.860	372.420	372.150	MAX
MIN	371.660	371.520	371.390	371.310	371.480	371.750	373.200	372.730	372.880	372.420	372.100	371.820	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 372.281
MAXIMUM DAILY, 373.810 ON SEP 21
MINIMUM DAILY, 371.310 ON APR 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 52 10 N
LONG 091 27 30 W
DATA CONTRIBUTED BY -
ONTARIO HYDRO

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE ST. JOSEPH DIVERSION AT ROOT PORTAGE - STATION NO. 05QB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	87.2	77.1	66.8	61.5	65.5	84.2	2.20	103	0	176	137	115	1
2	87.9	76.4	67.5	60.9	66.2	96.1	3.20	103	0	174	134	108	2
3	87.2	77.1	67.5	59.6	66.8	97.6	5.70	105	0	173	129	108	3
4	86.4	76.4	67.5	59.6	68.2	93.1	7.50	106	0	167	132	108	4
5	85.7	76.4	66.8	59.0	68.8	94.6	6.00	106	0	167	131	106	5
6	85.7	75.7	66.2	58.3	69.5	93.8	6.80	104	0	168	127	105	6
7	85.7	76.4	66.2	58.3	71.6	90.1	8.30	103	0	166	127	105	7
8	86.4	75.7	66.2	58.3	72.9	99.9	9.10	102	0	166	125	105	8
9	85.7	75.7	64.8	58.3	73.6	101	10.3	105	0	164	124	104	9
10	85.7	74.3	64.8	58.3	73.6	104	12.0	151	0	163	121	103	10
11	85.0	74.3	65.5	57.0	75.0	101	13.3	181	0	159	120	103	11
12	84.2	74.3	65.5	57.0	75.0	105	14.3	179	0	159	122	103	12
13	84.2	73.6	64.8	57.0	75.7	106	14.3	173	0	158	122	101	13
14	84.2	72.2	64.8	57.0	77.1	109	15.7	173	0	158	120	104	14
15	83.5	72.9	65.5	56.4	78.5	109	16.2	174	0	154	120	101	15
16	82.8	72.9	64.8	56.4	79.9	111	17.2	173	0	154	119	99.9	16
17	82.8	71.6	64.2	55.8	79.9	115	18.2	174	0	158	118	98.4	17
18	82.1	71.6	64.2	55.1	79.9	116	18.2	175	0	155	117	98.4	18
19	82.1	70.9	62.8	54.5	82.1	116	19.3	171	0	153	117	97.6	19
20	82.1	70.9	64.2	56.4	82.8	119	20.9	168	0	150	116	96.8	20
21	81.4	70.2	64.2	55.8	82.8	92.5	22.6	166	0	147	116	96.1	21
22	80.7	70.9	62.8	57.0	83.5	83.5	23.7	164	0	148	112	94.6	22
23	80.7	70.9	62.2	57.7	84.2	84.9	24.8	91.3	0	147	112	93.1	23
24	80.7	69.5	61.5	59.0	85.0	84.2	73.2	0	0	146	115	93.1	24
25	79.9	68.8	62.2	62.2	85.7	85.6	103	0	0	143	113	92.3	25
26	79.9	68.8	61.5	62.2	85.7	89.3	104	0	97.1	141	114	90.1	26
27	78.5	68.8	61.5	63.5	86.4	90.1	104	0	182	141	113	90.8	27
28	78.5	68.2	61.5	64.8	86.4	48.4	103	0	183	139	112	90.1	28
29	78.5		60.9	64.2	87.2	1.80	104	0	182	137	112	90.1	29
30	77.8		59.6	64.8	86.4	2.20	104	0	178	137	111	89.4	30
31	77.8		60.9		85.0		102	0		137		89.4	31
TOTAL	2 571.0	2 042.5	1 989.4	1 765.9	2 423.9	2 723.90	1 107.00	3 250.3	822.1	4 805	3 608	3 079.2	TOTAL
MEAN	82.9	72.9	64.2	58.9	78.2	90.8	35.7	105	27.4	155	120	99.3	MEAN
MAX	87.9	77.1	67.5	64.8	89.4	119	104	181	183	176	137	115	MAX
MIN	77.8	68.2	59.6	54.5	65.5	1.80	2.20	0	0	137	111	89.4	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 82.7
MAXIMUM DAILY, 183 ON SEP 28
MINIMUM DAILY, 0 ON AUG 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 52 10 N
LONG 091 27 30 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	222 000	JUL	95 600
FEB	176 000	AUG	281 000
MAR	172 000	SEP	71 000
APR	153 000	OCT	415 000
MAY	209 000	NOV	312 000
JUN	235 000	DEC	266 000

TOTAL DISCHARGE, 2 610 000 dam³

DATA CONTRIBUTED BY -
ONTARIO HYDRO

REGULATED

REMARKS - LAKE ST. JOSEPH HAS TWO OUTLETS. THIS DIVERSION CONTRIBUTES FLOW TO THE ENGLISH RIVER SYSTEM

LAKE ST. JOSEPH OUTFLOW TO ALBANY RIVER - STATION NO. 04GA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	2
3	0	0	0	0	0	0	0	0	0	0	0	0	3
4	0	0	0	0	0	0	0	0	0	0	0	0	4
5	0	0	0	0	0	0	0	0	0	0	0	0	5
6	0	0	0	0	0	0	0	0	0	0	0	0	6
7	0	0	0	0	0	0	0	0	0	0	0	0	7
8	0	0	0	0	0	0	0	0	0	0	0	0	8
9	0	0	0	0	0	0	0	0	0	0	0	0	9
10	0	0	0	0	0	0	0	0	0	0	0	0	10
11	0	0	0	0	0	0	0	0	0	0	0	0	11
12	0	0	0	0	0	0	0	0	0	0	0	0	12
13	0	0	0	0	0	0	0	0	0	0	0	0	13
14	0	0	0	0	0	0	0	0	0	0	0	0	14
15	0	0	0	0	0	0	0	0	0	0	0	0	15
16	0	0	0	0	0	0	0	0	0	0	0	0	16
17	0	0	0	0	0	0	0	0	0	0	0	0	17
18	0	0	0	0	0	0	0	0	0	0	0	0	18
19	0	0	0	0	0	0	0	0	0	0	0	0	19
20	0	0	0	0	0	0	0	0	0	0	0	0	20
21	0	0	0	0	0	0	0	0	0	0	0	0	21
22	0	0	0	0	0	0	0	0	0	0	0	0	22
23	0	0	0	0	0	0	0	0	0	0	0	0	23
24	0	0	0	0	0	0	0	0	0	0	0	0	24
25	0	0	0	0	0	0	0	0	0	0	0	0	25
26	0	0	0	0	0	0	0	0	0	0	0	0	26
27	0	0	0	0	0	0	0	0	0	0	0	0	27
28	0	0	0	0	0	0	0	0	0	0	0	0	28
29	0		0	0	0	0	0	0	0	0	0	0	29
30	0		0	0	0	0	0	0	0	0	0	0	30
31	0		0		0		0	0		0		0	31
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	TOTAL
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	MEAN
MAX	0	0	0	0	0	0	0	0	0	0	0	0	MAX
MIN	0	0	0	0	0	0	0	0	0	0	0	0	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON JAN 01
MINIMUM DAILY, 0 ON JAN 01

TYPE OF GAUGE - RECORDING
LOCATION - LAT N
LONG W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	0	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	0
JUN	0	DEC	0

DATA CONTRIBUTED BY -
ONTARIO HYDRO

REGULATED SINCE 1958

TOTAL DISCHARGE, 0 dam^3

REMARKS - SUM OF FLOWS THROUGH CEDAR AND RAT RAPIDS DAMS

LAKE SUPERIOR AT GROS CAP - STATION NO. 02BF010

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	182.83	182.84	182.75	182.66	182.76	182.76	182.94	182.95	182.97	183.00	182.95	183.05	1
2	182.80	182.77	182.78	182.74	182.72	182.74	182.90	182.94	182.99	182.97	183.03	183.01	2
3	182.77	182.74	182.73	182.71	182.72	182.86	182.89	182.94	182.91	182.89	183.07	182.95	3
4	182.86	182.75	182.70	182.74	182.72	182.83	182.95	182.98	182.95	183.03	183.07	183.03	4
5	182.82	182.76	182.70	182.79	182.77	182.78	182.95	183.04	182.96	183.01	183.03	182.94	5
6	182.79	182.77	182.68	182.73	182.71	182.83	182.93	183.02	182.96	183.04	183.05	183.05	6
7	182.82	182.74	182.65	182.70	182.70	182.81	182.88	182.99	182.98	183.01	183.08	182.96	7
8	182.74	182.77	182.63	182.67	182.72	182.80	182.92	182.96	182.92	182.99	182.96	182.94	8
9	182.81	182.77	182.66	182.68	182.76	182.85	182.96	182.97	182.95	182.99	183.00	182.97	9
10	182.74	182.83	182.67	182.71	182.90	182.86	182.97	183.00	182.98	182.95	183.10	182.98	10
11	182.92	182.78	182.64	182.71	182.76	182.80	182.98	183.00	182.92	182.96	183.16	182.89	11
12	182.94	182.70	182.65	182.68	182.76	182.78	182.99	182.99	182.96	182.97	183.16	182.92	12
13	182.83	182.89	182.69	182.64	182.75	182.83	182.96	182.98	182.89	182.95	183.01	183.05	13
14	182.70	182.77	182.67	182.63	182.74	182.87	182.95	182.96	183.06	182.95	182.93	182.90	14
15	182.78	182.75	182.64	182.73	182.77	182.89	182.95	182.98	183.02	182.99	182.98	182.92	15
16	182.76	182.74	182.66	182.67	182.73	182.85	182.94	182.95	183.03	182.96	183.04	182.91	16
17	182.80	182.73	182.75	182.76	182.81	182.85	182.91	182.96	183.00	182.96	182.95	182.91	17
18	182.90	182.75	182.77	182.66	182.91	182.93	182.97	182.97	182.95	183.18	182.90	182.96	18
19	182.77	182.88	182.74	182.61	182.81	182.89	182.96	182.94	183.00	183.04	182.96	182.89	19
20	182.80	182.71	182.71	182.67	182.82	182.86	182.98	182.94	182.98	182.95	182.89	182.79	20
21	182.73	182.71	182.70	182.65	182.81	182.89	182.97	182.95	182.96	183.07	182.84	182.92	21
22	182.82	182.78	182.78	182.64	182.79	182.91	182.97	182.94	183.10	183.02	182.97	182.99	22
23	182.73	182.74	182.82	182.60	182.80	182.98	182.97	182.92	183.09	183.02	183.05	182.97	23
24	182.80	182.79	182.75	182.63	182.80	182.94	182.96	182.91	183.01	183.09	183.00	182.98	24
25	182.85	182.72	182.78	182.64	182.79	182.89	182.95	182.91	183.01	183.05	183.14	183.05	25
26	182.76	182.67	182.75	182.64	182.81	182.93	182.94	182.95	182.99	182.95	182.90	183.04	26
27	182.82	182.83	182.72	182.67	182.80	182.90	182.93	182.95	183.00	183.12	182.99	182.85	27
28	182.79	182.74	182.70	182.66	182.82	182.86	182.93	182.97	183.00	183.06	183.08	182.84	28
29	182.73		182.66	182.71	182.81	182.91	182.96	182.97	182.99	182.99	183.01	182.96	29
30	182.80		182.68	182.73	182.79	182.93	183.02	182.94	182.99	183.05	182.95	182.94	30
31	182.71		182.65		182.78		182.98	182.92		183.00		182.88	31
MEAN	182.80	182.77	182.71	182.68	182.78	182.86	182.95	182.96	182.98	183.01	183.01	182.95	MEAN
MAX	182.94	182.89	182.82	182.79	182.91	182.98	183.02	183.04	183.10	183.18	183.16	183.05	MAX
MIN	182.70	182.67	182.63	182.60	182.70	182.74	182.88	182.91	182.89	182.89	182.84	182.79	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 182.87
MAXIMUM DAILY, 183.18 ON OCT 18
MINIMUM DAILY, 182.60 ON APR 23
MAXIMUM INSTANTANEOUS, 183.44 AT 21:20 EST ON OCT 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 31 46 N
LONG 084 35 08 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 10920 GROS CAP

LAKE SUPERIOR AT MICHIPICOTEN HARBOUR - STATION NO. 02BD004

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	182.81	182.74	182.70	182.62	182.72	182.72	182.86	182.90	182.93	182.92	182.93	182.96	1
2	182.80	182.68	182.71	182.63	182.69	182.70	182.84	182.90	182.90	182.90	182.98	182.91	2
3	182.79	182.69	182.66	182.64	182.68	182.77	182.84	182.90	182.87	182.90	182.99	182.81	3
4	182.80	182.71	182.63	182.67	182.68	182.77	182.86	182.93	182.92	182.98	182.98	182.89	4
5	182.78	182.74	182.64	182.70	182.70	182.73	182.88	182.93	182.91	182.94	182.94	182.88	5
6	182.79	182.71	182.62	182.68	182.67	182.78	182.86	182.91	182.91	182.94	182.97	182.93	6
7	182.80	182.71	182.61	182.66	182.65	182.75	182.83	182.90	182.88	182.90	182.96	182.90	7
8	182.75	182.71	182.59	182.64	182.69	182.74	182.89	182.91	182.89	182.91	182.93	182.86	8
9	182.75	182.72	182.62	182.61	182.67	182.78	182.90	182.92	182.92	182.91	182.97	182.92	9
10	182.73	182.75	182.63	182.65	182.73	182.78	182.90	182.91	182.92	182.87	182.99	182.87	10
11	182.86	182.71	182.58	182.65	182.71	182.74	182.89	182.90	182.88	182.90	182.99	182.84	11
12	182.82	182.67	182.62	182.66	182.71	182.75	182.90	182.92	182.89	182.91	182.98	182.86	12
13	182.78	182.77	182.63	182.63	182.69	182.77	182.89	182.90	182.90	182.88	182.91	182.91	13
14	182.72	182.69	182.61	182.63	182.69	182.80	182.88	182.91	182.97	182.91	182.92	182.89	14
15	182.77	182.67	182.60	182.67	182.71	182.81	182.88	182.91	182.93	182.93	182.92	182.86	15
16	182.74	182.62	182.64	182.64	182.69	182.78	182.88	182.90	182.93	182.90	182.93	182.86	16
17	182.75	182.67	182.70	182.68	182.76	182.79	182.86	182.91	182.92	182.84	182.91	182.87	17
18	182.80	182.73	182.71	182.63	182.80	182.84	182.91	182.88	182.91	182.99	182.89	182.83	18
19	182.75	182.75	182.68	182.62	182.74	182.80	182.91	182.86	182.95	182.94	182.91	182.80	19
20	182.72	182.69	182.67	182.63	182.74	182.80	182.92	182.88	182.91	182.92	182.85	182.80	20
21	182.71	182.70	182.65	182.61	182.75	182.84	182.91	182.89	182.92	183.01	182.87	182.82	21
22	182.78	182.71	182.72	182.62	182.74	182.84	182.90	182.89	183.00	182.96	182.95	182.92	22
23	182.70	182.65	182.72	182.59	182.74	182.86	182.91	182.86	182.95	182.97	182.97	182.89	23
24	182.75	182.67	182.70	182.61	182.74	182.85	182.90	182.89	182.93	183.00	182.93	182.89	24
25	182.76	182.66	182.72	182.62	182.73	182.82	182.89	182.89	182.92	182.96	182.97	182.93	25
26	182.73	182.67	182.67	182.63	182.75	182.86	182.89	182.91	182.91	182.93	182.86	182.89	26
27	182.78	182.73	182.66	182.63	182.75	182.84	182.88	182.91	182.93	183.02	182.91	182.84	27
28	182.75	182.67	182.63	182.64	182.74	182.80	182.89	182.93	182.92	182.98	182.97	182.84	28
29	182.73		182.63	182.68	182.74	182.83	182.92	182.92	182.90	182.96	182.94	182.87	29
30	182.77		182.63	182.70	182.74	182.87	182.93	182.91	182.91	182.96	182.93	182.83	30
31	182.70		182.63		182.72		182.91	182.88		182.93		182.84	31
MEAN	182.76	182.70	182.65	182.64	182.72	182.79	182.89	182.90	182.92	182.93	182.94	182.87	MEAN
MAX	182.86	182.77	182.72	182.70	182.80	182.87	182.93	182.93	183.00	183.02	182.99	182.96	MAX
MIN	182.70	182.62	182.58	182.59	182.65	182.70	182.83	182.86	182.87	182.84	182.85	182.80	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 182.81
MAXIMUM DAILY, 183.02 ON OCT 27
MINIMUM DAILY, 182.58 ON MAR 11
MAXIMUM INSTANTANEOUS,
183.16 AT 14:00 EST ON NOV 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 57 44 N
LONG 084 54 02 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 10750 MICHIPICOTEN

LAKE SUPERIOR AT ROSSPORT - STATION NO. 02BA004

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	182.78	182.65	182.66	182.59	182.69	182.72	182.85	---	---	---	182.95	182.89	1
2	182.76	182.65	182.59	182.57	182.67	182.72	182.86	---	---	---	182.95	182.88	2
3	182.77	182.69	182.59	182.60	182.66	182.72	182.85	---	---	---	182.96	182.82	3
4	182.74	182.69	182.58	182.60	182.65	182.76	182.86	---	---	182.94	182.93	182.83	4
5	182.72	182.69	182.58	182.58	182.66	182.76	182.85	---	---	182.91	182.91	182.88	5
6	182.76	182.68	182.58	182.60	182.67	182.77	182.85	---	---	182.90	182.93	182.86	6
7	182.74	182.68	182.59	182.60	182.64	182.76	182.85	---	---	182.90	182.92	182.87	7
8	182.74	182.68	182.58	182.60	182.66	182.75	182.90	---	---	182.89	182.94	182.85	8
9	182.70	182.68	182.60	182.58	182.66	182.76	182.91	---	---	182.88	182.95	182.88	9
10	182.74	182.67	182.60	182.58	182.64	182.75	182.89	---	---	182.87	182.91	182.83	10
11	182.74	182.67	182.57	182.59	182.71	182.75	182.88	---	---	182.89	182.90	182.85	11
12	182.70	182.67	182.59	182.61	182.70	182.78	182.87	---	---	182.89	182.89	182.85	12
13	182.72	182.65	182.61	182.60	182.68	182.79	182.89	---	---	182.89	182.89	182.85	13
14	182.74	182.66	182.60	182.59	182.69	182.79	182.87	---	---	182.89	182.91	182.88	14
15	182.72	182.63	182.62	182.59	182.68	182.78	182.87	---	---	182.90	182.88	182.84	15
16	182.71	182.59	182.65	182.59	182.69	182.78	182.89	---	---	182.89	182.87	182.85	16
17	182.71	182.65	182.63	182.59	182.73	182.81	182.90	---	---	182.85	182.89	182.85	17
18	182.71	182.69	182.63	182.60	182.73	182.81	182.91	---	---	182.87	182.90	182.80	18
19	182.71	182.64	182.64	182.62	182.73	182.80	182.90	---	---	182.93	182.88	182.81	19
20	182.66	182.68	182.64	182.58	182.71	182.82	182.91	---	---	182.96	182.87	182.85	20
21	182.69	182.69	182.62	182.58	182.72	182.84	182.90	---	---	182.97	182.92	182.90	21
22	182.71	182.63	182.64	182.58	182.73	182.83	182.89	---	---	182.96	182.95	182.84	22
23	182.69	182.60	182.62	182.58	182.73	182.81	182.90	---	---	182.97	182.90	182.84	23
24	182.70	182.60	182.65	182.59	182.73	182.83	182.89	---	---	182.94	182.89	182.83	24
25	182.69	182.62	182.61	182.60	182.71	182.83	182.89	---	---	182.95	182.86	182.82	25
26	182.71	182.65	182.61	182.62	182.72	182.84	182.89	---	---	182.97	182.86	182.82	26
27	182.71	182.60	182.61	182.60	182.73	182.83	182.88	---	---	182.95	182.89	182.85	27
28	182.68	182.62	182.59	182.61	182.71	182.83	182.89	---	---	182.94	182.89	182.86	28
29	182.70		182.60	182.65	182.71	182.84	182.91	---	---	182.96	182.91	182.81	29
30	182.70		182.62	182.66	182.73	182.85	182.90	---	---	182.94	182.93	182.81	30
31	182.69		182.63		182.72		---	---		182.94		182.82	31
MEAN	182.72	182.65	182.61	182.60	182.70	182.79	---	---	---	---	182.91	182.84	MEAN
MAX	182.78	182.69	182.66	182.66	182.73	182.85	---	---	---	---	182.96	182.89	MAX
MIN	182.66	182.59	182.57	182.57	182.64	182.72	---	---	---	---	182.86	182.80	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MINIMUM DAILY, 182.57 ON MAR 11
MAXIMUM INSTANTANEOUS,
183.08 AT 19:55 EST ON OCT 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 50 02 N
LONG 087 31 10 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 10220 ROSSPORT

LAKE SUPERIOR AT THUNDER BAY - STATION NO. 02AB018

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	182.86	182.75	182.72	182.70	182.75	182.83	182.95	183.00	182.97	182.99	183.05	182.94	1
2	182.85	182.77	182.68	182.69	182.77	182.83	182.95	183.01	182.97	183.00	183.03	182.95	2
3	182.85	182.80	182.69	182.72	182.76	182.80	182.94	183.01	182.99	183.03	183.01	182.93	3
4	182.82	182.80	182.70	182.70	182.76	182.83	182.93	182.98	182.97	182.98	183.01	182.92	4
5	182.82	182.79	182.69	182.67	182.75	182.85	182.93	182.97	182.98	182.98	183.01	182.96	5
6	182.84	182.78	182.70	182.69	182.77	182.84	182.94	182.98	182.98	182.96	183.01	182.91	6
7	182.83	182.78	182.71	182.71	182.76	182.85	182.96	182.99	182.98	182.97	183.00	182.94	7
8	182.85	182.78	182.70	182.71	182.77	182.84	182.97	183.00	183.00	182.97	183.04	182.95	8
9	182.81	182.78	182.71	182.70	182.75	182.83	182.97	182.99	182.97	182.97	183.00	182.93	9
10	182.86	182.75	182.70	182.69	182.72	182.84	182.96	182.98	182.97	182.96	182.96	182.91	10
11	182.78	182.76	182.70	182.69	182.79	182.86	182.96	182.97	182.99	182.98	182.94	182.94	11
12	182.77	182.79	182.71	182.70	182.79	182.88	182.96	182.97	182.99	182.97	182.94	182.95	12
13	182.81	182.71	182.71	182.71	182.78	182.89	182.97	182.98	183.02	182.99	182.98	182.90	13
14	182.85	182.75	182.71	182.70	182.78	182.87	182.97	182.98	182.98	182.98	183.01	182.95	14
15	182.81	182.74	182.76	182.69	182.78	182.86	182.98	182.98	183.02	182.97	182.96	182.92	15
16	182.81	182.72	182.77	182.69	182.80	182.87	182.98	182.99	183.00	182.98	182.95	182.94	16
17	182.80	182.76	182.72	182.68	182.81	182.90	182.99	182.97	183.01	182.96	182.99	182.92	17
18	182.78	182.76	182.71	182.72	182.79	182.88	182.99	182.96	183.02	182.95	183.00	182.89	18
19	182.81	182.71	182.74	182.74	182.80	182.90	182.99	182.98	182.99	183.03	182.97	182.93	19
20	182.79	182.78	182.74	182.70	182.80	182.92	182.98	182.97	182.99	183.04	183.00	182.95	20
21	182.82	182.77	182.73	182.71	182.81	182.91	182.98	182.97	183.01	183.02	183.04	182.89	21
22	182.79	182.72	182.71	182.70	182.81	182.90	182.98	182.97	182.94	183.06	183.00	182.89	22
23	182.80	182.71	182.69	182.72	182.81	182.89	182.98	182.96	182.98	183.03	182.94	182.90	23
24	182.80	182.69	182.73	182.72	182.81	182.91	182.98	182.98	183.01	183.02	182.97	182.88	24
25	182.77	182.72	182.70	182.72	182.81	182.92	182.98	182.99	182.99	183.04	182.91	182.86	25
26	182.81	182.75	182.71	182.74	182.81	182.91	182.99	182.98	183.01	183.07	182.98	182.87	26
27	182.78	182.68	182.71	182.73	182.82	182.93	183.00	182.98	182.98	183.00	182.96	182.94	27
28	182.79	182.72	182.71	182.77	182.80	182.93	183.00	182.97	182.98	183.03	182.95	182.92	28
29	182.81		182.72	182.77	182.80	182.94	182.98	182.98	182.98	183.05	182.99	182.85	29
30	182.78		182.74	182.77	182.82	182.94	182.98	182.99	182.99	183.01	183.01	182.86	30
31	182.80		182.74		182.82		183.00	183.00		183.04		182.89	31
MEAN	182.81	182.75	182.71	182.71	182.79	182.88	182.97	182.98	182.99	183.00	182.99	182.92	MEAN
MAX	182.86	182.80	182.77	182.77	182.82	182.94	183.00	183.01	183.02	183.07	183.05	182.96	MAX
MIN	182.77	182.68	182.68	182.67	182.72	182.80	182.93	182.96	182.94	182.95	182.91	182.85	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 182.88
MAXIMUM DAILY, 183.07 ON OCT 26
MINIMUM DAILY, 182.67 ON APR 05
MAXIMUM INSTANTANEOUS,
183.16 AT 16:00 EST ON JUL 08

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 24 34 N
LONG 089 13 01 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 10050 THUNDER BAY

LAKE TIMISKAMING AT HAILEYBURY - STATION NO. 02JE011

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.722	3.339	1.959	2.142	3.737	5.225	5.350	5.219	5.173	5.030E	5.232	5.353	1
2	4.698	3.266	1.917	2.128	3.832	5.201	5.279	5.233	5.144	5.102A	5.227	5.367	2
3	4.674	3.190	1.867	2.119	3.926	5.166	5.278	5.243	5.124	5.177	5.213	5.382	3
4	4.636	3.101	1.828	2.098	4.047	5.138	5.288	5.249	5.118	5.269	5.201	5.393	4
5	4.605	3.020	1.793	2.099	4.098	5.145	5.294	5.238	5.105	5.322	5.188	5.393	5
6	4.573	2.936	1.773	2.096	4.187	5.167	5.311	5.216	5.104	5.358	5.181	5.391	6
7	4.530	2.857	1.759	2.082	4.274	5.191	5.325	5.230	5.076	5.367	5.171	5.395	7
8	4.489	2.775	1.741	2.057	4.322	5.216	5.337	5.256	5.069	5.376	5.159	5.379	8
9	4.456	2.697	1.714	2.039	4.366	5.247	5.344	5.262	5.044	5.387	5.146	5.367	9
10	4.423	2.614	1.687E	2.021	4.447	5.266	5.336	5.265	5.017	5.393	5.149	5.328	10
11	4.386	2.527	1.645	2.006	4.548	5.269	5.336	5.258	5.004	5.430	5.149	5.320	11
12	4.336	2.458	1.622E	2.000	4.662	5.286	5.331	5.252	4.996	5.454	5.145	5.295	12
13	4.276	2.406	1.632	1.987	4.762	5.305	5.327	5.251	4.985	5.441	5.142	5.264	13
14	4.214	2.347	1.632	1.980	4.855	5.316	5.315	5.257	4.978	5.423	5.160	5.263	14
15	4.169	2.306	1.652	1.982	4.927	5.321	5.296	5.256	4.955	5.410	5.167	5.249	15
16	4.134	2.271	1.735	1.983	4.948	5.321	5.282	5.267	4.942	5.402	5.185	5.222	16
17	4.112	2.251	1.870	2.006	4.972	5.315	5.294	5.275	4.927	5.410	5.214	5.210	17
18	4.084	2.201	1.992	2.011	5.069	5.321	5.314	5.268	4.910E	5.474	5.236	5.192	18
19	4.024	2.150	2.086	2.008	5.187	5.326	5.317	5.248	4.896E	5.528	5.254	5.175	19
20	3.956	2.129	2.151	2.029	5.262	5.351	5.316	5.239	4.876	5.525	5.243	5.195	20
21	3.894	2.122	2.190	2.116	5.301	5.392	5.307	5.230	4.868	5.471	5.250	5.203	21
22	3.846	2.094	2.231	2.204	5.328	5.413	5.282	5.220	4.876	5.436	5.262	5.203	22
23	3.802	2.066	2.257	2.308	5.339	5.425	5.273	5.215	4.859	5.400	5.286	5.197	23
24	3.773	2.040	2.287	2.437	5.326	5.441	5.281	5.202	4.866	5.355	5.304	5.190	24
25	3.747	2.011	2.268	2.610	5.306	5.475	5.292	5.189	4.873	5.311	5.307	5.187	25
26	3.707	1.993	2.250	2.831	5.297	5.509	5.267	5.179	4.876	5.280	5.308	5.165	26
27	3.649	1.990	2.258	3.039	5.303	5.545	5.250	5.183	4.903	5.271	5.335	5.164	27
28	3.596	1.970	2.246	3.261	5.295	5.519	5.227	5.186	4.911A	5.299	5.372	5.165	28
29	3.552		2.216	3.466	5.277	5.472	5.203	5.180	4.935E	5.311	5.371	5.160	29
30	3.482		2.188	3.616	5.261	5.428	5.191	5.186	4.970E	5.260	5.349	5.135	30
31	3.402		2.167		5.241		5.205	5.179		5.218		5.129	31
MEAN	4.127	2.469	1.955	2.292	4.797	5.324	5.292	5.230	4.979	5.343	5.230	5.259	MEAN
MAX	4.722	3.339	2.268	3.616	5.339	5.545	5.350	5.275	5.173	5.528	5.372	5.395	MAX
MIN	3.402	1.970	1.622	1.980	3.737	5.138	5.191	5.179	4.859	5.030	5.142	5.129	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 4.373
MAXIMUM DAILY, 5.545 ON JUN 27
MINIMUM DAILY, 1.622E ON MAR 12
MAXIMUM INSTANTANEOUS,
5.555 AT 12:42 EST ON JUN 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 27 02 N
LONG 079 37 50 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1910

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 174.041 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - STATION FORMERLEY CALLED OTTAWA RIVER AT LAKE TIMISKAMING

LARDER RIVER ABOVE RAVEN LAKE - STATION NO. 02JC010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.75	1.70	1.53	11.6	17.0	5.64	1.57	1.73	1.58	1.89	5.44	5.26	1
2	1.73	1.75	1.45	10.9	16.2	5.32	1.58	1.69	1.52	1.97	5.38	5.34	2
3	1.73	1.75	1.44	10.2	15.4	5.12	1.57	1.65	1.44	1.98	5.37	5.24	3
4	1.70B	1.75	1.44	9.56	14.6	5.15	1.78	1.60	1.36	2.11	5.30	5.41	4
5	1.70	1.73	1.39A	9.09	13.9	2.79	1.87	1.58	1.37	2.19	5.15	5.38	5
6	1.70	1.73	1.35A	8.63	12.9	0.761	1.87	1.69	1.34	2.19	5.17	5.23	6
7	1.68	1.67	1.34	8.19	12.0	0.703	1.85	1.69	1.36	2.23	4.92	5.13	7
8	1.72	1.68	1.33	7.72	11.4	0.689	1.84	1.74	1.27	2.19	4.82	5.09	8
9	1.71	1.68	1.25	7.42	10.9	0.664	2.01	1.78	1.26	2.17	4.58	4.98	9
10	1.70	1.67	1.23	7.17	10.8	0.697	2.15	1.83	1.35	2.19	4.53	4.86	10
11	1.67	1.66	1.18	6.87	10.7	0.705	2.18	1.80	1.31	2.30	4.45	4.68	11
12	1.67B	1.61	1.20	6.59	10.0	0.693	2.19	1.79	1.32	2.42	4.43	4.59	12
13	1.63B	1.66	1.25	6.32	9.74	0.679	2.11	1.76	1.34	2.50	4.29	4.52	13
14	1.58A	1.68	1.35	6.17	9.42	0.696	2.08	1.73	1.37	2.52	3.98	4.47	14
15	1.57	1.65	1.50	6.08	8.79	0.699	2.07	1.74	1.43	2.64	3.86	4.38	15
16	1.56	1.64	1.68	5.92	8.20	0.697	2.06	1.68	1.43	2.73	3.82	4.28	16
17	1.56	1.67	1.95	6.17	8.22	0.706	2.01	1.74	1.38	2.99	3.80	4.16	17
18	1.58	1.65	2.31	6.12	9.09	0.792	2.02	1.89	1.34	3.78	3.63	4.16	18
19	1.56	1.65	2.63	5.93	9.44	0.819	2.04	1.74	1.34	4.73	3.60	4.13	19
20	1.56	1.66	3.02	6.03	9.27	0.752	1.95	1.70	1.31	4.79	3.58	3.97	20
21	1.56	1.66	3.33	6.49	9.05	0.738	1.90	1.69	1.33	5.00	3.44	3.93	21
22	1.57	1.65	11.8	7.03	8.88	0.756	1.85	1.67	1.49	5.28	3.46	3.88	22
23	1.58	1.62	19.0	8.09	8.47	1.05	1.83	1.61	1.62	5.41	3.61	3.79	23
24	1.57	1.54	18.1	9.48	8.27	1.41	1.77	1.58	1.65	5.47	3.78	3.65	24
25	1.58	1.55A	17.1	11.9	7.94	1.31	1.74	1.57	1.74	5.41	3.94	3.67	25
26	1.72	1.54E	16.2	14.2	7.64	1.35	1.74	1.60	1.80	5.26	3.89	3.59	26
27	1.70	1.54A	15.4	16.1	7.33	1.44	1.71	1.61	1.83	5.13	3.99	3.56	27
28	1.71	1.54	14.6	17.2	7.00	1.43	1.63	1.63	1.84	5.74	4.56	3.49	28
29	1.71		13.9	17.5	6.60	1.43	1.61	1.64	1.80	5.59	5.01	3.46	29
30	1.66		13.0	17.4	6.31	1.45	1.61	1.60	1.85	5.59	5.15	3.32	30
31	1.64		12.3		6.00		1.80	1.62		5.60		3.10	31
TOTAL	51.06	46.28	186.55	278.17	311.16	47.136	58.19	52.47	44.35	111.99	130.93	134.70	TOTAL
MEAN	1.65	1.65	6.02	9.27	10.0	1.57	1.88	1.69	1.48	3.61	4.36	4.35	MEAN
MAX	1.75	1.75	19.0	17.5	17.0	5.64	2.19	1.89	1.85	5.74	5.44	5.41	MAX
MIN	1.56	1.54	1.18	5.92	6.00	0.664	1.57	1.57	1.26	1.89	3.44	3.10	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.98
MAXIMUM DAILY, 19.0 ON MAR 23
MINIMUM DAILY, 0.664 ON JUN 09
MAXIMUM INSTANTANEOUS,
19.7 AT 18:03 EST ON MAR 22

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 01 38 N
LONG 079 34 41 W
DRAINAGE AREA, 256 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	4 410	JUL	5 030
FEB	4 000	AUG	4 530
MAR	16 100	SEP	3 830
APR	24 000	OCT	9 680
MAY	26 900	NOV	11 300
JUN	4 070	DEC	11 600

TOTAL DISCHARGE, 125 000 dam³

LAUREL CREEK AT WATERLOO - STATION NO. 02GA024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.392	0.565	0.408	0.565	0.058	0.083	0.096	0.176	0.185	0.273	0.667	0.371	1
2	0.215	0.731B	0.470	0.697	0.054	0.066	0.073	0.165	0.160	0.257	0.710	0.323	2
3	0.224	0.600B	0.414	0.712	0.058	0.364	0.069	0.134	0.131	0.197	1.14	0.524	3
4	1.09	0.465B	0.355	0.656	0.141	0.248	0.123	0.118	0.166	0.749	1.13	1.01	4
5	0.766	0.397B	0.295B	0.522	0.468	0.131	0.180	0.208	0.166	0.243	3.34	0.724	5
6	0.527	0.380B	0.265B	0.407	0.062	0.122	0.075	0.097	0.206	0.181	2.68	0.592	6
7	0.370	0.379	0.240B	0.392	0.059	0.116	0.061	0.079	0.426	0.178	1.72	0.480	7
8	0.340	0.687	0.230B	0.336	0.066	0.189	0.480	0.066	0.156	0.273	1.55	0.440	8
9	0.310	2.41	0.612B	0.326	0.049	0.119	1.13	0.063	0.151	1.50	1.28	0.457	9
10	0.386	1.81	1.21	0.863	0.127	0.104	0.286	0.064	0.155	0.765	0.998	0.604	10
11	0.321	0.931B	3.15	0.551	0.046	0.096	0.235	0.075	0.166	0.900	0.592	0.534	11
12	0.263	0.657	3.71	0.262	0.065	0.088	0.177	0.459	0.112	1.11	0.523	0.619	12
13	0.235B	0.708	3.37	0.201	0.457	0.084	0.138	0.787	0.100	0.883	0.434	0.973	13
14	0.233B	0.798	2.66	0.299	0.052	0.092	0.231	0.208	0.951	0.692	0.606	0.661	14
15	0.231B	0.420B	2.29	0.286	0.056	0.079	0.150	0.202	0.412	0.632	0.739	0.446	15
16	0.230B	0.390B	2.00	0.236	0.903	0.073	0.112	0.170	0.225	0.595	0.579	0.465	16
17	1.65	0.365B	1.73	0.326	0.723	0.069	0.103	0.137	0.198	1.69	0.399	0.419	17
18	3.24	0.355B	1.58	0.207	0.217	0.076	0.233	0.129	0.167	1.59	0.339	0.962	18
19	1.50 B	0.370B	1.47	0.152	0.139	0.091	0.161	0.528	0.237	0.901	0.305	0.848	19
20	0.900B	0.400B	1.18	0.392	1.03	0.063	0.421	0.151	0.329	0.861	0.443	0.538	20
21	0.590	0.464B	0.737	0.241	0.310	0.072	0.115	0.142	0.347	0.799	0.490	0.768	21
22	0.508	2.75	1.06	0.138	0.364	0.444	0.645	0.128	0.349	0.798	1.10	1.15	22
23	0.396B	3.64	1.36	0.114	0.477	1.17	0.304	0.122	0.399	0.789	0.888	1.46	23
24	0.716	2.18	0.879	0.096	0.443	0.172	0.170	0.117	0.300	0.751	0.752	0.816B	24
25	1.12	1.73	0.543	0.073	0.388	0.087	0.153	0.112	0.267	0.723	0.579	0.600B	25
26	1.01	0.816	0.537	0.069	0.327	0.132	0.133	0.106	0.249	0.655	0.471	0.480B	26
27	0.897B	0.580	0.308	0.062	0.270	0.118	0.106	0.548	0.195	0.637	0.837	0.530B	27
28	1.04 B	0.458	0.310	0.056	0.241	0.104	0.090	1.60	0.198	0.628	0.907	0.580B	28
29	0.620B		0.375	0.050	0.204	0.330	0.074	0.319	0.204	0.601	0.652	5.19	29
30	0.577B		0.608	0.054	0.173	0.120	0.818	0.303	0.597	0.600	0.458	3.92	30
31	0.457B		0.600		0.151		0.218	0.226		0.601		2.50	31
TOTAL	21.354	26.436	35.056	9.341	8.178	5.102	7.360	7.739	7.924	22.052	27.308	29.984	TOTAL
MEAN	0.689	0.944	1.13	0.311	0.264	0.170	0.237	0.250	0.264	0.711	0.910	0.967	MEAN
MAX	3.24	3.64	3.71	0.863	1.03	1.17	1.13	1.60	0.951	1.69	3.34	5.19	MAX
MIN	0.215	0.355	0.230	0.050	0.046	0.063	0.061	0.063	0.100	0.178	0.305	0.323	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.569
MAXIMUM DAILY, 5.19 ON DEC 29
MINIMUM DAILY, 0.046 ON MAY 11
MAXIMUM INSTANTANEOUS,
11.4 AT 23:12 EST ON AUG 27

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 28 08 N
LONG 080 31 08 W
DRAINAGE AREA, 59.6 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 840	JUL	636
FEB	2 280	AUG	669
MAR	3 030	SEP	685
APR	807	OCT	1 910
MAY	707	NOV	2 360
JUN	441	DEC	2 590

TOTAL DISCHARGE, 18 000 dam³

LITTLE CURRENT RIVER AT PERCY LAKE - STATION NO. 04JF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.0 B	9.00B	7.80B	9.30B	40.0B	103	112	50.4	23.0	15.9	17.6	18.0B	1
2	11.0 B	9.00B	7.78B	9.10B	47.0B	98.1	112	48.5	22.3	15.8	17.9	17.9B	2
3	10.9 B	8.95B	7.75B	8.90B	54.5B	99.1	111	47.1	22.0	15.8	18.2	17.6B	3
4	10.9 B	8.90B	7.72B	8.80B	61.8	101	112	46.4	21.7	16.2	18.3	17.4B	4
5	10.8 B	8.85B	7.70B	8.70B	69.9	102	111	45.0	21.5	16.0	18.1	17.2B	5
6	10.8 B	8.80B	7.68B	8.60B	78.4	104	110	43.4	20.6	15.7	18.3	17.0B	6
7	10.7 B	8.75B	7.65B	8.50B	86.7	104	108	41.9	20.1	15.5	18.5	16.8B	7
8	10.7 B	8.70B	7.63B	8.40B	95.5	105	107	40.9	19.9	15.4	18.5	16.6B	8
9	10.6 B	8.65B	7.60B	8.40B	104	105	106	39.9	19.4	15.4	18.7	16.4B	9
10	10.5 B	8.60B	7.65B	8.40B	110	105	106	38.7	19.2	15.1	18.7B	16.3B	10
11	10.4 B	8.55B	7.70B	8.40B	115	104	104	37.6	18.7	15.2	18.6B	16.1B	11
12	10.3 B	8.50B	7.80B	8.40B	120	103	103	36.7	18.3	15.1	18.5B	16.0B	12
13	10.2 B	8.45B	8.00B	8.40B	123	102	100	35.7	18.1	15.1	18.5B	15.9B	13
14	10.1 B	8.40B	8.20B	8.40B	126	99.5	97.1	34.7	18.0	15.1	18.7B	15.7B	14
15	10.0 B	8.35B	8.45B	8.35B	129	97.7	93.7	33.7	17.7	15.4	18.9B	15.5B	15
16	10.0 B	8.30B	8.70B	8.35B	131	95.8	90.8	32.7	17.4	15.2	19.0B	15.4B	16
17	9.95B	8.25B	8.90B	8.40B	134	93.9	87.6	32.0	17.0	14.9	19.0B	15.3B	17
18	9.85B	8.20B	9.10B	8.40B	135	97.6	85.2	30.9	16.7	15.3	18.9B	15.2B	18
19	9.75B	8.15B	9.35B	8.45B	136	100	81.8	30.1	16.5	15.2	18.7B	15.1B	19
20	9.70B	8.10B	9.50B	8.55B	135	103	78.8	29.5	16.0	15.1	18.5B	15.1B	20
21	9.65B	8.05B	9.65B	8.70B	134	104	75.9	28.8	15.9	15.7	18.6B	15.1B	21
22	9.60B	8.00B	9.75B	9.10B	133	107	73.4	28.0	17.0	15.7	18.8B	15.0B	22
23	9.50B	8.00B	9.80B	9.70B	130	108	71.1	27.4	17.0	16.0	19.0B	15.0B	23
24	9.45B	8.00B	9.80B	10.7 B	128	109	68.2	26.7	16.6	16.2	19.1B	14.9B	24
25	9.40B	7.95B	9.80B	12.5 B	126	110	65.5	26.1	16.5	16.4	19.3B	14.9B	25
26	9.35B	7.90B	9.80B	15.0 B	123	110	62.8	25.8	16.6	16.5	19.4B	14.8B	26
27	9.25B	7.85B	9.75B	18.5 B	120	111	60.4	25.1	16.7	16.9	19.2B	14.8B	27
28	9.20B	7.80B	9.70B	23.0 B	117	111	58.2	25.1	16.4	17.2	19.0B	14.7B	28
29	9.15B		9.65B	27.0 B	113	112	56.1	24.5	16.2	17.2	18.7B	14.6B	29
30	9.10B		9.60B	32.0 B	110	112	54.0	24.0	16.0	17.4	18.4B	14.6B	30
31	9.05B		9.50B		107		52.1	23.6		17.4		14.5B	31
TOTAL	310.85	235.00	269.46	337.40	3 372.8	3 116.7	2 714.7	1 060.9	549.2	491.0	559.6	489.4	TOTAL
MEAN	10.0	8.39	8.69	11.2	109	104	87.6	34.2	18.3	15.8	18.7	15.8	MEAN
MAX	11.0	9.00	9.80	32.0	136	112	112	50.4	23.0	17.4	19.4	18.0	MAX
MIN	9.05	7.80	7.60	8.35	40.0	93.9	52.1	23.6	15.9	14.9	17.6	14.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 37.0
MAXIMUM DAILY, 136 ON MAY 19
MINIMUM DAILY, 7.60B ON MAR 09
MAXIMUM INSTANTANEOUS,
136 AT 17:41 EST ON MAY 19

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 39 30 N
LONG 086 31 55 W
DRAINAGE AREA, 5 360 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	26 900	JUL	235 000
FEB	20 300	AUG	91 700
MAR	23 300	SEP	47 500
APR	29 200	OCT	42 400
MAY	291 000	NOV	48 300
JUN	269 000	DEC	42 300

TOTAL DISCHARGE, 1 170 000 dam³

LITTLE DON RIVER AT DON MILLS - STATION NO. 02HC029

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.31	1.47	0.960B	1.00	0.759	0.612	2.41	0.480	0.550	1.08	0.668	0.685	1
2	0.767	1.55	1.80 B	1.75	0.655	0.629	0.855	0.446	0.520	1.05	0.672	0.670	2
3	0.818	0.640B	1.40 B	1.63	0.632	2.94	0.690	0.463	0.509	0.612	0.654	2.10	3
4	5.50 B	0.610B	0.800B	3.82	0.745	1.26	0.620	0.508	0.563	4.67	0.763	7.02	4
5	1.82	0.600B	0.710B	2.13	3.24	0.659	0.598	3.51	0.899	1.97	4.75	1.74	5
6	0.760B	1.37	0.680B	1.24	0.832	0.752	0.586	0.650	0.646	0.728	4.23	1.32	6
7	0.640B	1.89	0.660B	1.05	0.752	0.584	0.529	0.558	0.621	0.615	1.09	1.22	7
8	0.680B	5.17	1.00 B	0.939	0.744	1.98	1.22	0.510	0.548	1.30	0.920	1.27	8
9	1.09	6.66	1.32	0.896	0.742	0.978	1.46	0.488	0.551	7.31	0.835	1.38	9
10	6.45	2.27	2.32	5.03	2.33	0.946	0.564	0.477	0.573	3.19	1.16	1.69	10
11	1.58	1.14	9.04	4.35	0.841	0.744	0.518	1.54	0.559	2.57	1.13	1.12	11
12	0.980B	0.941	29.2	1.60	0.728	0.592	0.560	6.31	0.534	9.23	1.15	1.10	12
13	0.670B	1.66	6.74	1.25	2.99	1.22	0.517	11.4	0.530	4.08	0.860	1.80	13
14	0.610B	2.23	3.92	2.56	0.905	3.52	0.523	1.61	3.88	1.27	0.773	1.10	14
15	0.853	0.825	2.41	1.74	0.758	1.25	4.77	3.08	2.15	1.01	0.788	1.12	15
16	0.766	1.22	2.06	1.34	4.01	0.649	0.918	1.35	0.651	0.845	0.900	1.28	16
17	6.43	1.00 B	1.85	2.84	4.37	0.572	1.07	0.745	0.585	6.36	0.832	0.962	17
18	5.83	0.860B	1.40	1.16	1.30	0.568	0.664	1.68	0.534	3.51	0.675	3.65	18
19	1.20 B	0.790B	1.49	1.03	0.932	0.547	0.631	1.88	0.925	1.54	0.683	2.33	19
20	0.740B	0.770B	1.24	2.57	7.68	0.517	3.30	0.847	0.736	0.983	0.692	1.12	20
21	0.700B	1.08	1.13	2.15	1.82	1.55	0.790	0.656	0.596	0.870	0.734	3.70	21
22	0.680B	14.9	1.56	1.20	1.13	0.837	2.28	0.617	1.11	0.819	2.92	3.79	22
23	0.650B	15.1	2.01	1.08	0.948	1.78	3.57	0.605	0.845	0.802	1.23	13.2	23
24	5.16	2.60 B	1.12	1.01	0.854	1.00	0.755	0.580	0.570	0.777	0.893	2.61	24
25	3.57	1.10 B	0.991	0.952	0.807	0.644	0.596	0.571	0.786	0.757	1.11	1.52	25
26	2.97	0.940B	0.947	0.918	0.777	0.696	0.524	0.591	0.892	0.710	0.761	1.12	26
27	1.09	0.850B	0.852	0.885	1.13	1.32	0.521	2.14	0.617	0.750	1.19	1.07	27
28	1.56	0.810B	0.820	0.847	0.854	0.536	0.514	1.82	0.587	1.21	0.982	1.20	28
29	1.05 B		0.826	0.762	0.720	6.33	0.506	0.673	0.838	0.707	0.768	12.0	29
30	0.980B		1.68	0.777	0.682	6.21	1.10	0.560	4.90	0.743	0.698	7.75	30
31	0.950B		1.29		0.623		0.944	0.537		0.771		2.21	31
TOTAL	58.854	71.046	84.266	50.206	46.290	42.422	35.103	47.882	28.805	62.839	35.511	84.847	TOTAL
MEAN	1.90	2.54	2.72	1.67	1.49	1.41	1.13	1.54	0.960	2.03	1.18	2.74	MEAN
MAX	6.45	15.1	29.2	5.03	7.68	6.33	4.77	11.4	4.90	9.23	4.75	13.2	MAX
MIN	0.610	0.600	0.660	0.762	0.623	0.517	0.506	0.446	0.509	0.612	0.654	0.670	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.78
MAXIMUM DAILY, 29.2 ON MAR 12
MINIMUM DAILY, 0.446 ON AUG 02
MAXIMUM INSTANTANEOUS,
44.5 AT 23:04 EST ON FEB 22

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 45 27 N
LONG 079 20 42 W
DRAINAGE AREA, 130 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	5 080	JUL	3 030
FEB	6 140	AUG	4 140
MAR	7 280	SEP	2 490
APR	4 340	OCT	5 430
MAY	4 000	NOV	3 070
JUN	3 670	DEC	7 330

TOTAL DISCHARGE, 56 000 dam³

LITTLE FRENCH RIVER AT OKIKENDAWT ISLAND - STATION NO. 02DD020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.70	6.02	4.48	8.45	19.5	39.7	27.5	25.4	23.1	22.7	21.4	23.6	1
2	7.57	5.96	4.48	8.49	20.1	38.9	27.4	25.3	22.9	23.3	20.9	23.6	2
3	7.39	5.92	4.25	9.18	20.3	38.4	27.2	25.1	22.7	23.2	20.5	23.5	3
4	7.26	5.84	4.25	9.38	20.9	37.5	27.4	25.4	22.7	23.9	20.4	23.9	4
5	7.17	5.76	4.22	9.42	21.0	36.6	27.3	25.6	22.6	23.7	20.2	23.7	5
6	7.26	5.68	4.19	9.42	21.1	36.1	27.1	26.2	22.4	23.3	20.8	23.3	6
7	7.13	5.60	4.19	9.52	21.3	34.4	27.0	26.1	22.2	22.9	21.0	23.5	7
8	6.91	5.60	4.12	9.52	23.0	33.8	26.8	26.1	22.1	22.8	20.5	23.4	8
9	6.44	5.53	4.09	9.62	23.1	33.0	26.6	26.1	22.0	22.7	20.2	23.1	9
10	6.32	5.46	4.06	9.52	23.3	32.6	26.5	25.9	22.0	22.6	19.8	22.7	10
11	6.16	5.35	3.96	9.76	24.0	32.2	26.4	25.7	21.9	22.7	19.5	22.7	11
12	6.24	5.20	3.93	10.3	24.3	31.6	26.2	25.6	21.9	22.7	19.6	22.3	12
13	6.44	5.17	4.38	10.3	24.2	31.6	25.9	25.6	21.9	25.8	18.9	21.9	13
14	6.32	5.06	4.54	10.4	24.4	31.3	25.8	25.6	22.3	24.8	18.7	21.8	14
15	6.40	5.02	4.67	10.9	24.0	31.0	25.9	25.6	22.2	24.8	18.1	21.5	15
16	6.32	4.99	7.22	11.2	24.5	29.4	25.9	25.5	22.3	24.7	18.6	21.3	16
17	6.36	4.99	8.05	11.4	27.5	29.0	25.9	25.1	22.2	25.1	20.0	20.9	17
18	7.22	4.95	8.58	11.7	27.9	28.7	25.9	24.9	22.9	25.4	20.2	20.6	18
19	7.00	4.95	8.27	12.2	32.0	28.3	25.9	25.1	23.0	25.5	19.5	20.1	19
20	6.86	4.92	8.01	12.4	38.6	27.5	25.8	24.5	22.9	25.6	19.6	19.8	20
21	6.69	4.92	7.74	13.0	39.4	27.3	25.6	24.4	22.8	25.1	18.2	19.6	21
22	6.64	4.81	7.66	13.4	41.0	27.5	25.7	24.1	23.6	24.9	19.7	19.4	22
23	6.48	4.74	7.88	13.8	41.2	27.1	25.6	24.0	23.5	24.9	19.9	19.1	23
24	6.40	4.70	8.10	14.0	43.5	27.5	25.6	24.1	23.5	24.2	20.1	18.6	24
25	6.24	4.57	8.27	15.6	43.3	27.2	25.6	23.9	23.2	24.1	19.9	18.4	25
26	6.50	4.54	8.05	16.3	43.4	27.3	25.5	23.8	23.1	23.8	19.5	17.8	26
27	6.56	4.54	8.14	17.0	43.6	27.5	25.4	23.7	23.1	23.2	20.7	17.5	27
28	6.44	4.51	8.23	17.3	43.4	27.3	25.4	23.5	23.0	22.6	24.2	17.3	28
29	6.32		8.36	18.0	42.9	27.4	25.5	23.4	22.9	22.7	24.5	16.9	29
30	6.16		8.40	18.7	42.1	27.4	25.4	23.3	22.8	22.2	24.4	16.4	30
31	6.04		8.36		41.1		25.6	23.1		21.7		16.1	31
TOTAL	206.94	145.30	193.13	360.18	949.6	935.1	811.3	771.7	679.8	737.9	609.1	644.3	TOTAL
MEAN	6.68	5.19	6.23	12.0	30.6	31.2	26.2	24.9	22.7	23.8	20.3	20.8	MEAN
MAX	7.70	6.02	8.58	18.7	43.6	39.7	27.5	26.2	23.6	25.8	24.5	23.9	MAX
MIN	6.04	4.51	3.93	8.45	19.5	27.1	25.4	23.1	21.9	21.7	18.1	16.1	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 19.3
MAXIMUM DAILY, 43.6 ON MAY 27
MINIMUM DAILY, 3.93 ON MAR 12

TYPE OF GAUGE - MANUAL
LOCATION - LAT 46 07 23 N
LONG 080 04 44 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	17 900	JUL	70 100
FEB	12 600	AUG	66 700
MAR	16 700	SEP	58 700
APR	31 100	OCT	63 800
MAY	82 000	NOV	52 600
JUN	80 800	DEC	55 700

TOTAL DISCHARGE, 609 000 dam³

REMARKS - REPLACES STATIONS 02DD018 AND 02DD019 AS PART OF FLOW FOR "FRENCH RIVER AT LAKE NIPISSING" NO. 02DD007

LITTLE MAITLAND RIVER AT BLUEVALE - STATION NO. 02FE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.90B	6.14B	4.00B	7.28	0.566	1.36	2.52	0.812	0.372	4.30	2.96	12.2	1
2	2.04B	7.95	4.20B	7.91	1.66	1.59	1.31	0.755	0.336	4.56	2.82	9.42	2
3	2.00B	6.25B	4.95B	9.34	1.66	1.98	0.802	0.622	0.310	3.23	2.67	7.75	3
4	3.90B	5.00B	4.00B	8.76	1.61	1.88	1.05	0.521	0.304	2.76	2.56	8.97	4
5	8.60B	4.30B	3.15B	7.15	1.92	1.57	0.895	0.476	0.315	6.04	5.29	10.4	5
6	8.10B	3.80B	2.82B	5.86	2.19	1.37	0.757	0.428	0.357	9.37	23.3	9.27	6
7	6.80B	3.62B	2.62B	4.89	2.03	1.26	0.671	0.402	0.586	6.16	27.7	8.03	7
8	5.82B	4.59	2.50B	4.25	1.86	1.17	0.680	0.373	0.624	3.99	17.8	7.16	8
9	4.50B	16.3	3.10B	3.84	1.66	1.12	1.34	0.345	0.534	6.15	11.1	6.64	9
10	3.70B	25.3	6.96B	4.04	1.57	1.03	1.80	0.318	0.478	18.8	8.58	7.15	10
11	3.30B	16.7 B	12.9 B	5.37	1.62	0.956	1.26	0.301	0.459	23.8	7.46	7.36	11
12	3.10B	10.1 B	31.0 B	5.43	1.66	0.873	0.935	0.304	0.428	18.1	6.57	6.65	12
13	2.95B	7.42	53.1	4.46	1.63	0.834	0.783	0.431	0.407	12.9	5.91	10.3	13
14	2.80B	7.38B	43.1	4.14	1.58	1.81	0.742	0.517	0.421	9.70	5.54	12.4	14
15	3.10B	5.30B	27.5	5.24	1.48	3.00	0.764	0.514	0.728	7.79	6.93	9.12	15
16	6.50B	4.60B	20.2	5.78	1.50	2.09	0.728	0.484	0.792	6.11	8.39	7.40	16
17	10.0 B	4.05B	16.5	6.34	4.95	1.49	0.671	0.445	0.712	7.21	7.85	6.60	17
18	28.0 B	3.70B	13.0	7.05	9.25	1.25	0.637	0.400	0.614	12.0	6.43	8.32	18
19	37.6	3.50B	9.99	5.93	6.45	1.04	0.616	0.376	0.611	15.7	5.37	11.5	19
20	26.7	3.38B	7.89	5.11	7.35	0.926	0.634	0.368	0.603	14.1	4.78	9.68	20
21	16.9	3.28B	6.70	5.92	13.5	0.871	0.585	0.360	0.588	9.44	4.40	7.19	21
22	11.3	4.30B	7.06	5.77	10.0	0.863	0.546	0.366	1.80	6.77	9.40	9.38	22
23	8.50B	13.9 B	15.8	4.83	5.97	1.09	0.556	0.351	1.23	5.46	16.5	14.1	23
24	8.06	15.4 B	16.3	3.94	4.10	1.48	0.510	0.336	0.335	4.70	15.7	13.0 B	24
25	9.34	6.60B	10.3	3.40	3.11	2.43	0.466	0.325	0.825	4.18	12.8	7.39B	25
26	15.0	5.70B	7.99	2.99	2.95	1.88	0.420	0.311	0.858	3.78	10.7	4.45B	26
27	13.7	4.85B	6.63	2.68	2.55	1.37	0.379	0.307	0.739	3.51	15.6	4.93B	27
28	15.3 B	4.40B	5.66	2.43	2.20	1.09	0.342	0.401	0.665	3.56	31.7	5.48B	28
29	12.7 B		5.16	2.29	1.70	1.81	0.330	0.484	0.685	4.48	30.8	23.7 B	29
30	7.75B		5.56	0.991	1.64	3.75	0.403	0.530	0.875	3.39	19.2	81.5 B	30
31	6.60B		6.93		1.49		0.610	0.446		3.16		53.0	31
TOTAL	296.56	207.81	367.57	153.411	103.406	47.233	24.742	13.409	18.588	245.20	336.81	400.44	TOTAL
MEAN	9.57	7.42	11.9	5.11	3.34	1.57	0.798	0.433	0.620	7.91	11.2	12.9	MEAN
MAX	37.6	25.3	53.1	9.34	13.5	3.81	2.52	0.812	1.80	23.8	31.7	81.5	MAX
MIN	1.90	3.28	2.50	0.991	0.566	0.834	0.330	0.301	0.304	2.76	2.56	4.45	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.07
MAXIMUM DAILY, 81.5B ON DEC 30
MINIMUM DAILY, 0.301 ON AUG 11
MAXIMUM INSTANTANEOUS, 93.1 AT 17:00 EST ON DEC 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 51 15 N
LONG 081 15 00 W
DRAINAGE AREA, 326 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	25 600	JUL	2 140
FEB	18 000	AUG	1 160
MAR	31 800	SEP	1 610
APR	13 300	OCT	21 200
MAY	8 930	NOV	29 100
JUN	4 080	DEC	34 600

TOTAL DISCHARGE, 192 000 dam³

LITTLE OTTER CREEK NEAR STRAFFORDVILLE - STATION NO. 02GC015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.03 B	1.72B	2.13B	2.09	1.23	1.11	0.983	0.592	0.707	0.817	0.711	1.26	1
2	1.07 B	1.90B	2.08B	2.29	1.18	1.08	0.885	0.538	0.676	0.734	0.691	1.15	2
3	1.18	2.08B	2.06B	2.34	1.18	1.28	0.842	0.502	0.650	0.693	0.680	2.14	3
4	1.41	2.29B	1.94B	2.34	1.27	1.46	0.822	0.537	0.630	1.18	0.681	6.09	4
5	2.70 E	2.01B	1.79B	2.26	1.66	1.33	0.768	0.623	0.636	1.14	1.39	3.59	5
6	1.90 B	1.87	1.65B	2.09	1.55	1.20	0.727	0.619	0.719	0.850	4.10	2.45	6
7	1.50 B	1.92B	1.54B	1.90	1.38	1.11	0.711	0.666	1.33	0.741	2.14	2.17	7
8	1.34	2.59B	1.49B	1.75	1.28	1.29	0.710	0.608	0.904	0.713	1.56	2.05	8
9	1.26	4.27B	2.00B	1.63	1.20	1.51	1.80	0.582	0.751	1.18	1.35	2.03	9
10	1.68 B	3.89	2.80B	2.31	1.24	1.29	1.14	0.560	0.751	1.49	1.37	2.34	10
11	1.96 B	2.64	4.00B	4.21	1.30	1.14	0.893	0.571	0.729	1.62	1.29	2.02	11
12	1.57 B	2.15	6.70B	3.00	1.22	1.06	0.837	0.612	0.693	1.61	1.18	1.75	12
13	1.23 B	1.96	7.27	2.36	1.89E	1.00	0.794	0.953	0.665	2.31	1.11	1.71	13
14	0.994B	2.05B	5.83	2.24	2.31	0.978	0.899	0.813	0.764	1.50	1.05	1.58	14
15	1.11 B	1.90B	4.67	2.41	1.88	0.958	0.990	0.676	1.13	1.16	1.00	1.47	15
16	1.30	1.78B	3.91	2.17	2.50E	0.911	0.909	0.664	0.899	1.03	0.994	2.10	16
17	4.00 B	1.67B	3.47	2.07	3.81E	0.885	0.844	0.657	0.781	0.943	0.993	1.97	17
18	10.0 B	1.57B	3.08	1.95	2.66	0.943	0.789	0.646	0.723	1.02	0.951	2.60	18
19	7.05	1.50B	2.89	1.75	2.22	0.884	0.771	0.693	0.758	1.15	0.908	3.39	19
20	3.11	1.46B	2.87	1.86	2.50	0.836	0.843	0.696	0.774	1.03	0.888	2.40	20
21	2.42 B	1.43B	2.81	3.02	2.33	0.832	0.801	0.679	0.735	0.948	0.864	2.22	21
22	2.10 B	4.60B	2.72	2.57	2.06	0.880	0.786	0.663	0.776	0.959	1.14	3.61	22
23	1.96 B	10.7 B	2.94	2.14	1.86	1.10	0.838	0.653	0.747	0.963	1.52	6.01	23
24	2.44 B	6.37B	2.59	1.88	1.64	1.20	0.762	0.638	0.779	0.894	1.49	5.33	24
25	2.97 B	4.26B	2.28	1.70	1.57	1.08	0.716	0.633	0.715	0.848	1.27	3.30	25
26	3.20 B	2.95B	2.12	1.57	1.42	0.963	0.695	0.620	0.688	0.813	1.14	2.64B	26
27	2.38	2.60B	1.95	1.47	1.35	1.00	0.680	0.627	0.680	0.787	2.30	2.38B	27
28	2.10 B	2.35B	1.82	1.39	1.25	0.945	0.656	1.81	0.658	0.779	2.28	2.34B	28
29	1.90 B		1.72	1.32	1.30	0.896	0.641	1.43	0.655	0.771	1.78	6.50B	29
30	1.82 B		1.76	1.34	1.32	0.947	0.641	0.823	0.784	0.759	1.42	15.8	30
31	1.75 B		2.22	1.27	1.20		0.624	0.736		0.728		12.5	31
TOTAL	72.434	81.48	89.32	63.55	53.42	32.098	25.797	22.120	22.887	32.160	40.241	108.89	TOTAL
MEAN	2.34	2.91	2.88	2.12	1.72	1.07	0.832	0.714	0.763	1.04	1.34	3.51	MEAN
MAX	10.0	10.7	7.27	4.21	3.81	1.51	1.80	1.81	1.31	2.31	4.10	15.8	MAX
MIN	0.994	1.43	1.49	1.27	1.18	0.832	0.624	0.502	0.630	0.693	0.680	1.15	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.77
MAXIMUM DAILY, 15.8 ON DEC 30
MINIMUM DAILY, 0.502 ON AUG 03
MAXIMUM INSTANTANEOUS,
18.7 AT 14:29 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 45 23 N
LONG 080 48 26 W
DRAINAGE AREA, 104 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 260	JUL	2 230
FEB	7 040	AUG	1 910
MAR	7 720	SEP	1 980
APR	5 490	OCT	2 780
MAY	4 620	NOV	3 480
JUN	2 770	DEC	9 410

TOTAL DISCHARGE, 55 700 dam³

REMARKS - THE DISCHARGE IS AFFECTED BY PUMPING FOR IRRIGATION DURING THE SUMMER MONTHS

LITTLE PIC RIVER NEAR COLDWELL - STATION NO. 02BA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.86B	2.42B	2.27B	4.70B	89.9	14.3	16.6	5.98	3.74	5.34	19.7	8.95B	1
2	2.84B	2.41B	2.27B	4.65B	76.0	13.6	15.4	5.67	3.78	5.23	19.6	8.60B	2
3	2.82B	2.40B	2.27B	4.60B	66.6	13.8	14.5	5.47	3.77	5.67	19.6	8.35B	3
4	2.81B	2.39B	2.27B	4.58B	58.6	15.0	14.2	5.38	3.72	11.2	18.9	8.05B	4
5	2.80B	2.38B	2.27B	4.56B	51.3	14.6	13.9	5.41	3.67	10.1	17.7	7.90B	5
6	2.78B	2.38B	2.28B	4.54B	45.0	15.0	13.3	5.35	3.58	9.11	16.7	7.68B	6
7	2.77B	2.37B	2.28B	4.52B	39.8	15.7	12.6	4.86	3.40	8.98	15.7	7.45B	7
8	2.75B	2.37B	2.28B	4.50B	37.5	15.2	13.1	4.49	3.31	8.76	14.3	7.30B	8
9	2.73B	2.36B	2.28B	4.49B	38.6	16.7	15.2	4.44	3.29	8.59	14.4	7.10B	9
10	2.72B	2.35B	2.28B	4.48B	35.7	18.0	15.2	4.72	3.22	8.45	13.7	6.95B	10
11	2.70B	2.34B	2.29B	4.47B	31.8	17.1	14.2	4.81	3.12	8.38	13.0	6.85B	11
12	2.69B	2.33B	2.30B	4.46B	29.4	16.2	13.4	4.48	3.14	8.68	10.9	6.70B	12
13	2.68B	2.32B	2.31B	4.52B	27.1	15.8	12.9	4.18	2.96	9.71	9.40	6.60B	13
14	2.67B	2.32B	2.42B	4.65B	26.2	15.7	12.4	3.98	3.08	10.2	11.2	6.48B	14
15	2.65B	2.32B	2.58B	4.85B	31.0	15.5	11.7	3.93	3.18	13.2	12.6	6.35B	15
16	2.63B	2.31B	3.00B	5.20B	32.3	14.8	10.9	3.83	3.12	13.3	10.8	6.25B	16
17	2.62B	2.31B	3.60B	5.60B	48.0	14.2	10.4	3.79	2.94	13.2	9.24	6.18B	17
18	2.60B	2.30B	5.40B	6.60B	45.6	16.0	13.2	3.79	2.80	14.4	9.60	6.08B	18
19	2.59B	2.30B	5.39B	8.20B	40.1	18.2	12.0	3.77	2.70	14.8	9.35	5.98B	19
20	2.58B	2.30B	5.38B	11.1 B	34.7	17.5	10.6	3.78	2.72	15.1	8.66	5.92B	20
21	2.57B	2.30B	5.37B	21.4	30.6	17.2	10.1	3.74	3.72	31.5	25.0	5.87B	21
22	2.55B	2.30B	5.32B	30.4	27.9	18.6	10.1	3.67	7.25	30.4	21.9	5.78B	22
23	2.53B	2.29B	5.24B	45.4	25.6	19.4	9.42	3.60	6.37	27.6	20.1	5.71B	23
24	2.52B	2.29B	5.17B	72.9	23.6	19.2	8.55	3.54	5.52	29.3	19.7	5.68B	24
25	2.50B	2.29B	5.08B	105	22.1	18.4	7.82	3.48	4.97	27.8	15.0	5.60B	25
26	2.49B	2.29B	5.02B	133	21.2	18.1	7.33	3.48	4.76	25.1	12.1	5.55B	26
27	2.48B	2.29B	4.98B	121	20.4	17.9	7.04	3.50	4.96	25.5	11.2 B	5.48B	27
28	2.47B	2.28B	4.90B	115	19.1	17.6	6.87	3.72	5.28	26.3	10.5 B	5.43B	28
29	2.46B		4.88B	113	17.6	16.8	6.78	3.87	5.38	24.1	9.70B	5.38B	29
30	2.45B		4.79B	99.9	16.5	16.5	6.62	3.76	5.46	22.4	9.30B	5.32B	30
31	2.43B		4.75B		15.3		6.41	3.73		20.8		5.29B	31
TOTAL	81.74	65.32	112.91	962.27	1 125.1	492.5	352.74	132.20	118.91	493.20	444.55	202.81	TOTAL
MEAN	2.64	2.33	3.64	32.1	36.3	16.4	11.4	4.26	3.96	15.9	14.8	6.54	MEAN
MAX	2.86	2.42	5.40	133	89.9	19.4	16.6	5.98	7.25	31.5	31.9	8.95	MAX
MIN	2.43	2.28	2.27	4.46	15.3	13.5	6.41	3.48	2.70	5.23	9.66	5.29	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.6
MAXIMUM DAILY, 133 ON APR 26
MINIMUM DAILY, 2.27B ON MAR 01
MAXIMUM INSTANTANEOUS,
136 AT 20:01 EST ON APR 26

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 50 57 N
LONG 086 36 26 W
DRAINAGE AREA, 1 320 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 060	JUL	30 500
FEB	5 640	AUG	11 400
MAR	9 760	SEP	10 300
APR	83 100	OCT	42 600
MAY	97 200	NOV	38 400
JUN	42 600	DEC	17 500

TOTAL DISCHARGE, 396 000 dam³

LITTLE RIVER AT WINDSOR - STATION NO. 02GH011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.150	0.252	0.756B	0.336	0.031	0.024	0.125	0.041	0.024	0.069	0.070	0.214	1
2	0.149	2.09	1.38 B	0.538	0.024	0.460	0.065	0.017	0.019	0.060	0.073	0.154	2
3	0.188	0.853	1.28 B	0.455	0.012	2.31	0.037	0.012	0.016	0.052	0.071	6.29	3
4	3.09	0.509	0.708B	0.370	1.31	0.325	0.020	0.187	0.013	0.355	0.115	4.26	4
5	0.829	0.403	0.397B	0.295	0.866	0.151	0.014	0.130	0.011	0.130	3.05	0.857	5
6	0.358	0.793	0.385B	0.265	0.342	0.109	0.020	0.052	1.07	0.068	2.32	0.512	6
7	0.242	2.18	0.337B	0.290	0.201	0.082	0.020	0.033	11.6	0.192	0.622	0.385	7
8	0.226	1.50	0.432B	0.260	0.146	3.38	0.012	0.021	1.45	0.304	0.346	0.302	8
9	0.382	0.880	4.06	0.198	0.106	0.544	0.045	0.010	0.437	9.11	0.277	0.255	9
10	0.953	0.572	4.03	3.55	0.266	0.200	0.010	0.013	0.489	10.4	0.232	0.243	10
11	0.576	0.359	3.23	2.56	0.097	0.115	0.041	0.048	1.19	5.70	0.175	0.202	11
12	0.340	0.267	2.00	0.820	0.075	0.086	0.020	0.864	0.320	1.38	0.149	0.199	12
13	0.227	0.277	1.10	0.506	2.30	0.082	0.042	3.04	0.164	0.728	0.122	0.173	13
14	0.164	0.264	0.718	1.40	0.734	0.440	0.322	0.491	1.85	0.469	0.118	0.117	14
15	0.159	0.215	0.526	0.736	0.894	0.133	0.121	0.189	1.91	0.308	0.114	0.229	15
16	0.192	0.603B	0.735	0.440	9.00	0.069	0.056	0.108	2.94	0.235	0.113	0.482	16
17	1.68	0.655B	0.584	0.335	5.13	0.051	0.051	0.078	1.12	0.186	0.111	0.264	17
18	4.08	0.590B	0.365	0.231	1.20	0.037	0.022	0.412	0.406	2.67	0.093	0.798	18
19	0.904	0.632B	0.414	0.206	0.495	0.035	0.019	1.80	4.38	0.783	0.085	1.02	19
20	0.473	0.566B	0.338	0.569	0.376	0.047	0.413	0.491	1.48	0.391	0.079	0.470	20
21	0.387	0.557B	0.292	1.58	0.229	0.045	0.359	0.476	1.23	0.271	0.078	1.59	21
22	0.365	22.3 B	0.338	0.557	0.166	0.247	0.358	0.313	2.53	0.205	0.550	2.41	22
23	0.373	14.0	0.403	0.348	0.134	0.331	0.185	0.173	0.580	0.172	0.277	1.90	23
24	1.06	3.17	0.236	0.265	0.131	0.172	0.114	0.119	0.276	0.153	0.196	0.900B	24
25	1.31	1.04 B	0.194	0.201	0.122	0.089	0.053	0.080	0.178	0.120	0.136	0.400B	25
26	0.758	0.904B	0.171	0.147	0.134	0.059	0.031	0.055	0.136	0.103	0.128	0.240B	26
27	0.375	0.669B	0.152	0.133	0.103	0.202	0.028	0.034	0.099	0.091	0.245	0.235B	27
28	0.331	0.685B	0.138	0.129	0.071	0.346	0.031	0.030	0.123	0.085	0.892	0.230B	28
29	0.282		0.156	0.110	0.062	0.181	0.019	0.119	0.103	0.071	0.464	14.4 B	29
30	0.219		0.351	0.091	0.046	0.219	0.266	0.061	0.094	0.064	0.251	16.6	30
31	0.204		0.222		0.032		0.056	0.029		0.060		2.76	31
TOTAL	21.026	57.785	26.428	17.721	24.835	10.571	2.995	9.526	36.238	34.985	11.552	59.091	TOTAL
MEAN	0.678	2.06	0.853	0.591	0.801	0.352	0.097	0.307	1.21	1.13	0.385	1.91	MEAN
MAX	4.08	22.3	4.06	3.55	9.00	3.38	0.413	3.04	11.6	10.4	3.05	16.6	MAX
MIN	0.149	0.215	0.138	0.091	0.012	0.024	0.010	0.010	0.011	0.052	0.070	0.117	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.857
MAXIMUM DAILY, 22.3B ON FEB 22
MINIMUM DAILY, 0.010 ON JUL 10
MAXIMUM INSTANTANEOUS,
42.6 AT 18:29 EST ON FEB 22

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 18 34 N
LONG 082 55 44 W
DRAINAGE AREA, 50.5 km²

B - ICE CONDITIONS

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 820	JUL	259
FEB	4 990	AUG	823
MAR	2 280	SEP	3 130
APR	1 530	OCT	3 020
MAY	2 150	NOV	998
JUN	913	DEC	5 110

TOTAL DISCHARGE, 27 000 dam³

LITTLE ROUGE CREEK NEAR LOCUST HILL - STATION NO. 02HC028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.480B	0.600B	0.640B	1.48	0.361	0.206	2.33	0.156	0.179	0.699	0.386	0.657	1
2	0.440B	0.560B	0.540B	1.81	0.318	0.196	0.846	0.136	0.165	0.351	0.378	0.602	2
3	0.410B	0.530B	0.500B	2.67	0.295	0.293	0.405	0.120	0.143	0.273	0.371	0.491	3
4	0.390B	0.510B	0.440B	3.92	0.269	0.331	0.288	0.122	0.138	0.508	0.383	4.39	4
5	0.900B	0.480B	0.410B	4.00	0.453	0.263	0.225	0.151	0.198	0.904	0.668	2.00 B	5
6	0.800B	0.470B	0.400B	2.23	0.427	0.235	0.171	0.188	0.263	0.480	3.55	1.60 B	6
7	0.680B	0.460B	0.380B	1.46	0.332	0.225	0.173	0.181	0.224	0.325	1.76	1.35 B	7
8	0.620B	1.00 B	0.370B	1.10	0.331	0.212	0.172	0.159	0.201	0.280	1.18	1.34	8
9	0.550B	4.00 B	0.420B	1.00	0.318	0.304	0.340	0.176	0.180	0.949	0.918	1.28	9
10	0.600B	2.40 B	1.60 B	3.02	0.348	0.284	0.250	0.148	0.182	2.08	0.889	1.73	10
11	0.660B	1.90 B	11.0 B	5.23	0.413	0.254	0.189	0.147	0.190	1.43	0.786	1.52	11
12	0.560B	1.10 B	22.0 B	2.18	0.319	0.219	0.167	0.785	0.179	1.88	0.741	1.10	12
13	0.500B	0.900B	9.00 B	1.46	0.395	0.229	0.164	1.55	0.160	7.04	0.706	1.50 B	13
14	0.470B	0.700B	6.60 B	1.39	0.401	0.564	0.159	1.07	0.178	2.03	0.699	1.20 B	14
15	0.450B	0.600B	4.19	2.01	0.326	1.22	0.254	0.494	0.410	1.17	1.02	1.08 B	15
16	0.440B	0.540B	3.50	1.63	0.381	0.372	0.320	1.72	0.266	0.772	1.21	0.985	16
17	0.700B	0.500B	2.94	2.21	1.11	0.262	0.242	0.611	0.223	1.96	0.941	0.820	17
18	7.00 B	0.480B	2.35	1.49	1.17	0.236	0.213	0.612	0.203	2.40	0.649	1.55	18
19	3.00 B	0.450B	1.54	1.09	0.710	0.212	0.182	1.02	0.202	2.46	0.538	1.52	19
20	1.60 B	0.430B	1.18	1.12	1.49	0.178	0.198	0.465	0.224	1.61	0.529	1.54	20
21	0.900B	0.400B	1.40	2.20	2.39	0.187	0.238	0.322	0.220	1.02	0.536	1.37	21
22	0.500B	2.00 B	1.02	1.57	1.25	0.204	0.203	0.281	0.212	0.770	1.11	4.13	22
23	0.350B	10.0 B	3.54	1.18	0.768	0.229	0.349	0.272	0.210	0.641	2.09	11.6	23
24	0.386B	5.00 B	1.60 B	0.931	0.542	0.342	0.279	0.249	0.210	0.552	1.37	4.04	24
25	0.900B	3.00 B	0.970B	0.807	0.414	0.291	0.216	0.213	0.199	0.480	1.17	1.70 B	25
26	2.00 B	2.10 B	0.840B	0.657	0.369	0.214	0.190	0.205	0.253	0.429	1.05	1.30 B	26
27	1.40 B	1.00 B	0.760B	0.605	0.322	0.185	0.178	0.208	0.248	0.393	0.964	1.05 B	27
28	1.08 B	0.800B	0.710B	0.533	0.318	0.179	0.151	0.203	0.211	0.438	1.18	0.847	28
29	0.840B		0.698	0.443	0.277	0.618	0.143	0.222	0.212	0.485	0.973	3.00 B	29
30	0.720B		0.835	0.392	0.284	1.31	0.134	0.201	0.688	0.462	0.739	8.24	30
31	0.640B		1.38		0.237		0.171	0.174		0.404		2.65 B	31
TOTAL	30.966	42.910	84.853	51.818	17.330	10.084	9.540	12.561	6.780	35.675	29.484	67.182	TOTAL
MEAN	0.999	1.53	2.74	1.73	0.559	0.336	0.308	0.405	0.226	1.15	0.983	2.17	MEAN
MAX	7.00	10.0	22.0	5.23	2.39	1.31	2.33	1.72	0.688	7.04	3.55	11.6	MAX
MIN	0.350	0.400	0.370	0.392	0.237	0.178	0.134	0.120	0.138	0.273	0.371	0.491	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.09
MAXIMUM DAILY, 22.0B ON MAR 12
MINIMUM DAILY, 0.120 ON AUG 03

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 54 28 N
LONG 079 12 58 W
DRAINAGE AREA, 77.7 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 680	JUL	824
FEB	3 710	AUG	1 090
MAR	7 330	SEP	586
APR	4 480	OCT	3 080
MAY	1 500	NOV	2 550
JUN	871	DEC	5 800

TOTAL DISCHARGE, 34 500 dam³

LITTLE WHITE RIVER BELOW BOLAND RIVER - STATION NO. 02CC010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.00B	4.00B	3.68B	17.2	44.6	22.3	29.2	9.67	4.41	3.69	9.02	34.3	1
2	3.00B	3.99B	3.75B	18.0	38.6	23.5	32.9	9.22	4.34	4.00	8.63	32.3	2
3	3.05B	3.97B	3.83B	17.2	34.5	22.3	32.4	8.76	4.23	4.28	8.41	26.0B	3
4	3.12B	3.96B	3.80B	17.5	30.9	21.3	30.9	8.41	4.41	6.47	8.29	21.2B	4
5	3.16B	3.97B	3.75B	18.2	27.7	19.1	28.1	8.30	4.42	6.65	8.17	20.0B	5
6	3.15B	4.00B	3.70B	16.0	25.1	18.0	24.3	8.02	4.35	6.65	8.47	18.4B	6
7	3.14B	4.01B	3.65B	15.1	23.6	17.0	21.2	7.16	4.08	6.47	8.31	17.5B	7
8	3.13B	4.03B	3.63B	14.7	24.7	16.2	21.2	6.93	3.76	6.07	7.99	16.5B	8
9	3.12B	4.07B	3.63B	15.3	26.2	16.6	22.1	6.70	3.53	5.76	8.04	15.7B	9
10	3.12B	4.10B	3.65B	16.5	47.9	16.3	20.8	6.51	3.42	5.79	8.64	15.0B	10
11	3.10B	4.05B	3.73B	18.2	76.5	15.9	19.4	6.35	3.32	6.78	8.39	14.6B	11
12	3.08B	4.03B	3.85B	17.3	76.7	15.3	17.7	6.40	3.52	6.84	7.47	14.0B	12
13	3.04B	3.99B	4.10B	16.3	66.0	15.8	16.0	6.65	3.57	6.84	6.90B	13.7B	13
14	3.01B	3.96B	4.95B	16.0	58.2	15.1	13.9	6.52	3.81	7.16	7.40B	13.3B	14
15	3.00B	3.90B	10.0 B	16.2	50.9	14.4	13.1	6.36	3.77	8.16	8.55	13.0B	15
16	2.97B	3.83B	20.2 B	16.3	48.9	13.8	12.9	6.14	3.64	8.22	9.21	12.7B	16
17	3.03B	3.80B	28.8 B	16.2	64.8	13.8	12.8	5.95	3.54	8.87	10.1	12.3B	17
18	3.85B	3.78B	35.9 B	15.8	81.9	14.1	12.7	5.85	3.48	12.1	10.5	12.1B	18
19	3.80B	3.74B	37.6 B	16.1	88.8	13.9	12.2	5.72	3.53	15.4	11.3	12.0B	19
20	3.78B	3.73B	36.9 B	17.7	87.8	13.6	11.8	5.50	3.52	16.7	12.1	12.1B	20
21	3.80B	3.78B	35.0 B	21.8	77.1	13.8	11.2	5.32	3.57	19.7	12.9	12.6B	21
22	3.83B	3.83B	34.4 B	26.4	65.8	13.9	10.7	5.20	3.83	17.9	18.3	13.0B	22
23	3.87B	3.83B	30.6 B	37.1	56.8	18.0	10.7	5.11	3.79	15.9	21.7	13.3B	23
24	3.89B	3.80B	28.5	45.8	50.0	22.3	10.6	4.97	3.67	13.3	23.9	13.1B	24
25	3.92B	3.77B	27.0	54.8	43.1	23.3	10.1	4.89	3.61	12.2	25.2	12.8B	25
26	3.98B	3.74B	24.1	60.7	36.0	23.5	9.74	4.88	3.60	11.4	22.6	12.4B	26
27	4.18B	3.70B	22.4	64.0	33.4	23.0	9.46	4.88	3.51	10.8	23.4	12.1B	27
28	4.10B	3.68B	20.9	64.0	31.0	21.3	9.09	4.83	3.43	10.6	31.7	11.9B	28
29	4.08B		19.1	59.3	27.6	22.6	9.07	4.77	3.36	10.3	35.6	11.7B	29
30	4.06B		18.1	52.4	25.1	24.8	10.5	4.63	3.34	10.1	35.6	11.3B	30
31	4.03B		17.5		23.1		10.3	4.52		9.85		11.1B	31
TOTAL	107.39	109.04	500.70	820.1	1 493.3	544.5	517.06	195.12	112.36	294.75	426.79	482.0	TOTAL
MEAN	3.46	3.89	16.2	27.3	48.2	18.2	16.7	6.29	3.75	9.51	14.2	15.5	MEAN
MAX	4.18	4.10	37.6	64.0	88.8	24.8	32.9	9.67	4.42	19.7	35.6	34.3	MAX
MIN	2.97	3.68	3.63	14.7	23.1	13.6	9.07	4.52	3.32	3.69	6.90	11.1	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.4
MAXIMUM DAILY, 88.8 ON MAY 19
MINIMUM DAILY, 2.97B ON JAN 16
MAXIMUM INSTANTANEOUS,
90.2 AT 02:57 EST ON MAY 20

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 34 49 N
LONG 082 57 58 W
DRAINAGE AREA, 1 190 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 280	JUL	44 700
FEB	9 420	AUG	16 900
MAR	43 300	SEP	9 710
APR	70 900	OCT	25 500
MAY	129 000	NOV	36 900
JUN	47 000	DEC	41 600

TOTAL DISCHARGE, 484 000 dam³

LITTLE WHITE RIVER NEAR BELLINGHAM - STATION NO. 02CC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.55B	7.78B	7.05B	32.3	76.5	39.3	41.0	18.8	8.15	6.24	17.6	55.3	1
2	5.58B	7.70B	7.08B	33.6	66.6	39.3	45.7	17.7	7.97	6.87	16.5	52.2	2
3	5.60B	7.65B	7.05B	33.5	59.3	38.8	47.0	16.6	7.77	7.13	16.0	47.0	3
4	5.62B	7.60B	7.04B	33.6	53.9	37.0	45.2	15.9	7.96	11.0	15.6	38.0B	4
5	5.65B	7.63B	7.02B	34.5	48.8	34.5	42.6	15.5	8.04	12.0	15.3	34.5B	5
6	5.70B	7.70B	7.00B	33.0	44.7	32.5	38.5	15.0	7.90	11.4	15.8	32.5B	6
7	5.70B	7.75B	6.98B	31.0	41.8	31.0	34.5	13.9	7.72	11.0	15.4	30.5B	7
8	5.68B	7.78B	6.99B	30.0	42.3	29.6	34.4	13.2	7.20	10.5	15.0	29.0B	8
9	5.62B	7.90B	7.02B	30.3	43.9	29.7	37.7	12.7	6.81	10.0	14.6	28.0B	9
10	5.60B	8.00B	7.10B	32.2	71.3	29.3	35.2	12.2	6.61	9.84	15.9	27.0B	10
11	5.58B	8.00B	7.30B	34.0	115	28.2	32.8	11.8	6.37	11.4	16.0	26.3B	11
12	5.55B	7.90B	7.60B	33.5	128	27.2	30.4	11.7	6.69	12.0	14.0B	25.3B	12
13	5.50B	7.82B	8.20B	32.1	118	27.6	28.1	12.2	7.04	11.8	13.3B	24.5B	13
14	5.45B	7.65B	10.2 B	31.8	102	27.1	25.9	12.0	7.45	12.0	13.8B	23.7B	14
15	5.40B	7.60B	21.3 B	31.9	89.8	25.9	23.8	11.7	7.57	15.2	14.9	23.2B	15
16	5.38B	7.50B	39.9 B	32.1	84.1	24.8	23.0	11.4	7.05	15.6	16.1	22.7B	16
17	5.50B	7.40B	58.0 B	32.0	114	24.9	22.7	11.0	6.67	16.4	18.4	22.1B	17
18	6.60B	7.30B	66.0 B	31.3	133	25.3	22.7	10.8	6.42	22.6	18.9	21.7B	18
19	7.10B	7.20B	66.0 B	31.7	142	25.2	22.0	10.5	6.44	28.0	19.6	21.1B	19
20	7.60B	7.25B	64.8 B	33.6	141	24.3	21.4	10.1	6.52	27.9	20.6	20.9B	20
21	7.55B	7.30B	63.8 B	39.8	130	23.9	20.5	9.81	6.61	29.9	22.3	21.6B	21
22	7.50B	7.40B	61.4 B	49.1	113	24.3	19.5	9.58	7.29	30.0	25.5	22.5B	22
23	7.40B	7.40B	58.4 B	62.4	97.3	30.0	19.0	9.40	7.22	27.8	27.4	23.0B	23
24	7.40B	7.30B	52.3	75.6	85.1	37.8	19.5	9.22	6.91	25.4	28.7	22.2B	24
25	7.50B	7.25B	48.5	90.6	75.0	37.2	18.6	9.10	6.70	22.9	29.9	21.8B	25
26	7.70B	7.15B	46.1	99.6	64.2	37.5	17.8	9.01	6.63	21.5	28.4	21.2B	26
27	7.90B	7.10B	40.8	104	58.5	37.2	17.1	8.99	6.44	20.4	28.1	21.0B	27
28	8.00B	7.05B	39.5	105	54.4	35.0	16.5	8.98	6.28	19.9	31.7	20.6B	28
29	7.95B		38.3	98.6	49.7	34.1	16.4	8.80	6.09	19.3	37.8	20.2B	29
30	7.90B		35.6	88.5	45.4	37.2	20.1	8.58	5.92	18.7	37.6	20.0B	30
31	7.80B		33.2		42.0		20.1	8.30		18.3		19.8B	31
TOTAL	200.56	211.06	937.53	1 461.2	2 530.6	935.9	859.7	364.47	210.44	522.98	740.7	839.4	TOTAL
MEAN	6.47	7.54	30.2	48.7	81.6	31.2	27.7	11.8	7.01	16.9	24.7	27.1	MEAN
MAX	8.00	8.00	66.0	105	142	39.3	47.0	18.8	8.15	30.0	37.8	55.3	MAX
MIN	5.38	7.05	6.98	30.0	41.8	23.9	16.4	8.30	5.92	6.24	13.3	19.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 26.9
MAXIMUM DAILY, 142 ON MAY 19
MINIMUM DAILY, 5.38B ON JAN 16
MAXIMUM INSTANTANEOUS,
143 AT 22:28 EST ON MAY 19

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 23 38 N
LONG 083 17 10 W
DRAINAGE AREA, 1 960 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	17 300	JUL	74 300
FEB	18 200	AUG	31 500
MAR	81 000	SEP	18 200
APR	126 000	OCT	45 200
MAY	219 000	NOV	64 000
JUN	80 900	DEC	72 500

TOTAL DISCHARGE, 848 000 dam³

LONG LAKE AT LONGLAC - STATION NO. 04JD001

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	312.010	311.810	311.620	311.470	312.190	313.310	313.360	313.090	312.730	312.620	313.330	313.280	1
2	312.000	311.830	311.610	311.470	312.270	313.280	313.650	313.070	312.690	312.630	313.350	313.260	2
3	311.980	311.800	311.600	311.460	312.390	313.200	313.340	313.060	312.680	312.630	313.360	313.250	3
4	311.980	311.800	311.590	311.470	312.490	313.250	313.320	313.040	312.690	312.670	313.400	313.220	4
5	311.980	311.790	311.570	---	312.600	313.240	313.310	313.000	312.660	312.680	313.430	313.230	5
6	311.970	311.790	311.570	311.440	312.700	313.240	313.300	312.990	312.670	312.680	313.430	313.210	6
7	311.960	311.790	311.570	311.440	312.800	313.250	313.280	312.970	312.680E	312.680	313.450	313.200	7
8	311.940	311.780	311.570	311.430	312.900	313.250	313.290	312.980	312.690	312.690	313.450	313.180	8
9	311.950	311.770	311.540	311.430	312.970	313.250	313.280	312.950	312.640	312.710	313.460	313.180	9
10	311.950	311.770	311.540	311.430	313.040	313.250	313.260	312.930	312.640	312.730	313.470	313.150	10
11	311.940	311.760	311.540	311.430	313.150	313.250	313.250	312.920	312.640	312.750	313.460	313.130	11
12	311.940	311.750	311.520	311.430	313.200	313.270	313.230	312.920	312.650	312.750	313.450	313.110	12
13	311.930	311.750	311.510	311.420	313.290	313.260	313.250	312.910	312.600	312.770	313.430	313.100	13
14	311.910	311.740	311.500	311.420	313.340	313.280	313.250	312.910	312.590	312.790	313.430	313.090	14
15	311.910	311.740	311.500	311.420	313.390	313.250	313.250E	312.890	312.600	312.820	313.400	313.060	15
16	311.910	311.710	311.500	311.410	313.390	313.260	313.240E	312.870	312.590	312.850	313.400	313.050	16
17	311.880	311.720	311.500	311.410	313.410	313.260	313.230E	312.840	312.580	312.860E	313.390	313.050	17
18	311.890	311.710	311.500	311.410	313.440	313.280	313.220E	312.840	312.590	312.860	313.380	313.030	18
19	311.890	311.720	311.500	---	313.450	313.330	313.210E	312.800	312.580	312.930	313.360	313.000	19
20	311.870	311.710	311.490	---	313.450	313.360	313.200	312.800	312.560	312.940	313.350	312.980	20
21	311.870	311.700	311.490	---	313.470	313.410	313.200	312.800	312.550	312.990	313.340	312.960	21
22	311.870	311.700	311.490	---	313.480	313.470	313.190	312.780	312.570	313.040	313.390	312.940	22
23	311.850	311.680	311.490	---	313.470	313.470	313.190	312.770	312.580	313.080	313.330	312.940	23
24	311.850	311.670	311.480	311.300	313.470	313.470	313.180	312.760	312.600	313.110	313.320	312.920	24
25	311.840	311.660	311.480	311.300	313.460	313.460	313.190	312.740	312.600	313.150	313.310	312.910	25
26	311.840	311.650	311.480	311.490	313.440	313.440	313.170	312.760	312.600	313.190	313.310	312.910	26
27	311.840	311.640	311.480	311.340	313.430	313.420	313.150	312.740	312.600	313.220E	313.280	312.910	27
28	311.830	311.630	311.470	311.600	313.390	313.400	313.140	312.750	312.610	313.250E	313.250	312.900	28
29	311.830		311.470	311.750	313.380	313.370	313.130	312.740	312.600	313.280	313.300	312.820	29
30	311.820		311.470	311.890	313.360	313.360	313.100	312.740	312.600	313.300E	313.290	312.820	30
31	316.810		311.470		313.340		313.090	312.720		313.320		312.800	31
MEAN	312.066	311.735	311.520	---	313.147	313.320	313.240	312.874	312.622	312.902	313.377	313.051	MEA
MAX	316.810	311.830	311.620	---	313.480	313.470	313.650	313.090	312.730	313.320	313.470	313.280	MAX
MIN	311.820	311.630	311.470	---	312.190	313.200	313.090	312.720	312.550	312.620	313.250	312.800	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 316.810 ON JAN 31

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 46 10 N
LONG 086 33 05 W
DATA CONTRIBUTED BY -
ONTARIO HYDRO

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LONG LAKE DIVERSION TO LAKE SUPERIOR - STATION NO. 04JD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	D
1	21.3	17.9	26.7	23.7	0	94.7	90.2	36.4	27.8	---	22.3	48.3	
2	21.3	17.4	26.4	24.0	0	95.2	89.8	35.8	28.1	---	23.2	47.9	
3	21.6	17.4	26.1	23.4	0	96.4	90.2	35.8	26.1	---	23.7	48.3	
4	21.3	17.1	25.8	23.4	0	62.3	90.6	36.4	26.7	---	26.6	47.6	
5	20.8	17.4	29.5	23.2	0	46.9	89.8	36.4	26.4	---	34.0	46.6	
6	20.5	17.4	28.8	22.6	0	47.9	88.5	35.5	22.8	---	40.5	46.6	
7	20.8	17.1	27.8	22.6	0.700	47.9	87.7	34.9	19.8	---	40.5	50.2	
8	20.8	17.1	27.5	22.6	1.70	48.3	86.9	33.9	18.0	---	39.9	52.3	
9	20.8	17.1	27.5	22.6	2.90	49.0	87.3	34.5	19.3	---	48.3	51.6	
10	20.2	16.9	27.2	22.3	4.70	49.0	86.9	34.9	19.0	---	54.3	51.2	1
11	20.5	16.6	26.9	22.0	5.40	48.3	65.0	33.9	17.7	---	54.3	50.9	1
12	20.2	16.4	26.9	21.8	6.80	47.9	42.3	33.3	19.0	---	53.9	51.9	1
13	19.7	16.4	26.9	22.0	8.00	39.5	42.0	32.4	18.2	---	53.2	55.4	1
14	19.9	16.1	26.7	22.0	54.0	35.9	42.9	32.1	18.8	---	52.1	53.9	1
15	19.9	16.4	26.7	21.8	94.7	36.6	41.7	32.1	18.0	---	53.2	54.3	1
16	19.7	16.4	26.4	21.8	94.7	36.9	41.7	31.1	18.2	---	52.9	53.2	1
17	19.9	15.9	26.1	21.5	55.9	36.9	41.3	31.4	19.3	---	52.1	53.2	1
18	19.4	15.9	26.1	21.6	50.3	38.5	41.3	31.4	18.5	---	51.4	52.9	1
19	19.2	15.6	25.8	21.8	55.0	38.5	41.3	31.1	19.0	---	51.8	52.1	1
20	19.2	15.6	25.8	22.0	55.4	47.3	41.7	30.2	---	---	51.1	51.1	2
21	18.9	23.9	25.8	23.2	55.7	54.3	41.3	29.6	---	---	50.4	50.4	2
22	18.6	30.5	25.5	24.6	63.8	89.5	41.0	29.0	---	---	49.7	49.3	2
23	18.6	29.4	25.2	9.60	82.2	98.5	40.7	28.4	---	---	49.3	48.6	2
24	18.6	28.5	24.6	0	90.6	96.4	40.0	28.1	---	---	50.0	47.6	2
25	18.6	27.8	24.6	0	105	95.2	40.0	28.7	---	18.0	49.7	46.9	2
26	18.4	27.2	24.6	0	103	95.2	39.7	29.0	---	17.7	49.7	45.9	2
27	18.4	27.2	24.3	0	102	93.1	39.4	29.0	---	19.6	50.0	45.5	2
28	18.1	26.9	24.3	0	102	91.8	38.7	28.7	---	20.1	49.7	45.9	2
29	18.1		24.0	0	100	91.0	39.4	28.4	---	20.4	49.0	45.9	2
30	18.1		23.7	0	98.1	90.6	39.0	28.1	---	21.2	48.6	44.9	3
31	17.9		23.4		96.4		37.4	27.6		21.8		44.2	3
TOTAL	609.3	555.5	807.3	505.70	1 489.000	1 939.5	1 765.1	988.1	---	---	1 375.4	1 536.6	TO
MEAN	19.7	19.8	26.0	16.9	48.0	64.7	56.9	31.9	---	---	45.8	49.6	ME
MAX	21.6	30.5	29.5	24.6	105	98.5	90.6	36.4	---	---	54.3	55.4	MA
MIN	17.9	15.6	23.4	0	0	35.9	37.4	27.6	---	---	22.3	44.2	MI

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 105 ON MAY 25
MINIMUM DAILY, 0 ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 04 04 N
LONG 087 04 09 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	52 600	JUL	153 000
FEB	48 000	AUG	85 400
MAR	69 800	SEP	---
APR	43 700	OCT	---
MAY	129 000	NOV	119 000
JUN	168 000	DEC	133 000

DATA CONTRIBUTED BY -
ONTARIO HYDRO

REGULATED SINCE 1939

LONG-LEGGED RIVER BELOW LONG-LEGGED LAKE - STATION NO. 05QE012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.700	0.922	0.892	1.07	3.47	5.46	11.8	7.75	2.76	1.28	0.709	0.576	1
2	0.703	0.915	0.885	1.04	3.61	6.09	11.7	7.45	2.56	1.21	0.723	0.572	2
3	0.725	0.914	0.869	1.04	3.73	6.76	11.7	7.34	2.48	1.19	0.715	0.564	3
4	0.735	0.914	0.863	1.06	3.83	6.60	11.9	7.11	2.63	1.20	0.690	0.563	4
5	0.729	0.919	0.864	1.05	3.93	6.61	11.9	6.69	2.47	1.18	0.634	0.572	5
6	0.722	0.905	0.856	1.04	4.03	7.08	11.8	6.42	2.43	1.16	0.639	0.574	6
7	0.731	0.915	0.846	1.03	4.12	7.06	13.3	6.13	2.25	1.09	0.617	0.574	7
8	0.783	0.911	0.836	1.04	4.38	7.34	14.1	5.92	2.18	1.05	0.582	0.573	8
9	0.792	0.924	0.839	1.06	4.70	7.59	14.6	5.74	2.11	1.02	0.609	0.576	9
10	0.822	0.938	0.835	1.06	4.84	7.57	14.6	5.51	2.02	0.951	0.624	0.566	10
11	0.906	0.928	0.825	1.05	4.97	7.52	14.3	5.24	1.94	0.937	0.618	0.558	11
12	0.887	0.915	0.827	1.05	5.05	7.65	14.1	5.07	1.85	0.931	0.583	0.589	12
13	0.874	0.937	0.857	1.06	5.07	7.79	14.1	4.82	1.72	0.919	0.555	0.588	13
14	0.874	0.924	0.866	1.09	5.15	7.72	13.8	4.75	1.74	0.955	0.553	0.585	14
15	0.880	0.920	0.961	1.10	5.17	7.45	13.5	4.53	1.73	0.955	0.556	0.581	15
16	0.874	0.919	1.06	1.11	5.23	7.30	13.2	4.51	1.59	0.930	0.555	0.580	16
17	0.863	0.905	1.10	1.08	5.66	7.33	12.8	4.44	1.50	0.906	0.550	0.580	17
18	0.856	0.920	1.10	1.10	5.76	7.38	12.6	4.18	1.59	0.883	0.546	0.573	18
19	0.848	0.917	1.07	1.13	5.63	7.81	12.4	3.94	1.64	0.793	0.538	0.573	19
20	0.853	0.907	1.07	1.17	5.67	7.96	11.9	3.83	1.56	0.792	0.541	0.592	20
21	0.874	0.917	1.07	1.27	5.67	8.43	11.5	3.71	1.68	0.832	0.578	0.604	21
22	0.886	0.917	1.11	1.40	5.74	8.81	11.2	3.63	1.83	0.794	0.593	0.604	22
23	0.876	0.911	1.09	1.59	5.88	8.95	10.8	3.51	1.68	0.806	0.599	0.610	23
24	0.905	0.896	1.07	1.90	6.00	8.94	10.4	3.49	1.63	0.796	0.585	0.611	24
25	0.906	0.887	1.08	2.12	5.97	9.44	10.0	3.44	1.62	0.768	0.586	0.622	25
26	0.905	0.904	1.07	2.38	5.92	10.6	9.64	3.36	1.56	0.768	0.585	0.618	26
27	0.914	0.911	1.06	2.57	5.98	10.8	9.27	3.26	1.52	0.848	0.583	0.618	27
28	0.903	0.896	1.06	2.75	5.89	11.0	9.04	3.19	1.44	0.758	0.582	0.639	28
29	0.899		1.05	3.03	5.74	11.8	8.93	3.03	1.36	0.719	0.583	0.640	29
30	0.924		1.06	3.23	5.65	12.0	8.53	2.92	1.29	0.731	0.583	0.620	30
31	0.915		1.06		5.56		8.15	2.83		0.715		0.617	31
TOTAL	26.064	25.628	30.101	43.67	158.00	244.84	367.56	147.74	56.36	28.867	17.994	18.312	TOTAL
MEAN	0.841	0.915	0.971	1.46	5.10	8.16	11.9	4.77	1.88	0.931	0.600	0.591	MEAN
MAX	0.924	0.938	1.11	3.23	6.00	12.0	14.6	7.75	2.76	1.28	0.723	0.640	MAX
MIN	0.700	0.887	0.825	1.03	3.47	5.46	8.15	2.83	1.29	0.715	0.538	0.558	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MEAN, 3.19
MAXIMUM DAILY, 14.6 ON JUL 09
MINIMUM DAILY, 0.538 ON NOV 19
MAXIMUM INSTANTANEOUS,
14.7 AT 16:51 CST ON JUL 09

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 40 39 N
LONG 093 58 07 W
DRAINAGE AREA, 548 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 250	JUL	31 800
FEB	2 210	AUG	12 800
MAR	2 600	SEP	4 870
APR	3 770	OCT	2 490
MAY	13 700	NOV	1 550
JUN	21 200	DEC	1 580

TOTAL DISCHARGE, 101 000 dam³

LUCKNOW RIVER AT LUCKNOW - STATION NO. 02FD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.900B	1.50	0.870B	1.21	0.508	0.324	0.163	0.204	0.108	0.339	0.437	2.06	1
2	1.23 B	1.77	0.852	1.59	0.474	0.349	0.148	0.159	0.105	0.384	0.422	1.68	2
3	1.73 B	1.41	0.873	2.19	0.448	0.399	0.138	0.141	0.098	0.336	0.405	1.47	3
4	2.35 B	1.22	0.800	1.93	0.442	0.405	0.129	0.134	0.099	0.762	0.396	1.88	4
5	2.50 B	1.09	0.767	1.59	0.661	0.355	0.125	0.149	0.131	0.955	1.06	1.85	5
6	2.20	0.989	0.695B	1.37	0.632	0.321	0.118	0.150	0.133	0.621	4.35	1.72	6
7	1.81 B	0.950	0.650B	1.19	0.534	0.286	0.116	0.144	0.221	0.416	3.54	1.56	7
8	1.47	1.29	0.620B	1.08	0.488	0.250	0.141	0.131	0.232	0.366	2.63	1.45	8
9	1.31	4.14	0.788	1.00	0.440	0.245	0.624	0.126	0.139	1.10	2.02	1.54	9
10	1.26	3.83	1.67	1.12	0.433	0.228	0.337	0.120	0.169	2.17	1.78	2.09	10
11	1.20	2.39	3.09	1.28	0.439	0.217	0.210	0.118	0.203	2.18	1.65	1.79	11
12	0.870B	1.66	13.1	1.15	0.425	0.199	0.168	0.123	0.150	1.53	1.45	1.66	12
13	1.10 B	1.53	13.9	1.03	0.411	0.194	0.148	0.205	0.127	1.05	1.25	2.30	13
14	1.07 B	1.52	8.16	1.07	0.393	0.177	0.148	0.169	0.133	0.799	1.23	1.86	14
15	0.967	1.23	5.01	1.29	0.366	0.172	0.195	0.139	0.249	0.863	1.35	1.41	15
16	0.923	1.20	3.56	1.22	0.385	0.165	0.171	0.130	0.236	0.816	1.31	1.30	16
17	2.62	1.08 B	2.86	1.67	0.833	0.154	0.159	0.125	0.168	1.05	1.28	1.24	17
18	8.80	1.01 B	2.28	1.73	1.13	0.166	0.147	0.114	0.152	1.59	1.13	1.75	18
19	6.99	0.940B	1.91	1.39	0.805	0.160	0.143	0.110	0.147	2.23	0.973	1.81	19
20	4.50	0.870B	1.61	1.35	2.11	0.150	0.206	0.112	0.159	1.83	0.869	1.43	20
21	2.89	0.900B	1.41	1.73	2.47	0.144	0.204	0.112	0.146	1.26	0.823	1.23	21
22	2.15	1.32	1.62	1.51	1.56	0.142	0.166	0.114	0.164	0.982	2.73	1.51	22
23	1.77	2.32	2.85	1.25	1.03	0.217	0.165	0.111	0.268	0.823	3.27	1.60	23
24	1.86	1.78 B	2.38	1.05	0.775	0.244	0.137	0.108	0.322	0.707	2.48	1.35B	24
25	2.29	1.36 B	1.79	0.914	0.635	0.192	0.129	0.097	0.237	0.639	2.12	1.24B	25
26	3.23	1.18 B	1.57	0.830	0.560	0.158	0.119	0.096	0.255	0.575	1.74	1.14B	26
27	2.70	1.06 B	1.35	0.733	0.524	0.150	0.113	0.105	0.248	0.528	3.28	1.05B	27
28	3.46 E	0.950B	1.22	0.656	0.465	0.140	0.109	0.251	0.195	0.519	6.31	1.01	28
29	2.46		1.13	0.592	0.409	0.173	0.104	0.177	0.172	0.533	4.87	6.30	29
30	1.88		1.18	0.553	0.387	0.186	0.205	0.135	0.253	0.492	2.85	11.8	30
31	1.53		1.25		0.352		0.425	0.116		0.454		5.84	31
TOTAL	72.020	42.489	81.815	37.268	21.524	6.662	5.610	4.225	5.419	28.899	60.005	67.92	TOTAL
MEAN	2.32	1.52	2.64	1.24	0.694	0.222	0.181	0.136	0.181	0.932	2.00	2.19	MEAN
MAX	8.80	4.14	13.9	2.19	2.47	0.405	0.624	0.251	0.322	2.23	6.31	11.8	MAX
MIN	0.870	0.870	0.620	0.553	0.352	0.140	0.104	0.096	0.098	0.336	0.396	1.01	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MEAN, 1.19
MAXIMUM DAILY, 13.9 ON MAR 13
MINIMUM DAILY, 0.096 ON AUG 26
MAXIMUM INSTANTANEOUS,
16.4 AT 00:24 EST ON MAR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 57 44 N
LONG 081 30 55 W
DRAINAGE AREA, 54.9 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 220	JUL	485
FEB	3 670	AUG	365
MAR	7 070	SEP	468
APR	3 220	OCT	2 500
MAY	1 860	NOV	5 100
JUN	576	DEC	5 870

TOTAL DISCHARGE, 37 500 dam³

LUTTERAL CREEK NEAR OUSTIC - STATION NO. 02GA033

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	0.172B	0.718B	1.07 B	0.992	0.385	0.230	0.237	0.140	0.067	0.326	0.333	1.15 B	1
2	0.241B	0.784B	0.944B	1.10	0.335	0.209	0.191	0.134	0.077	0.200	0.326	0.738	2
3	0.518B	0.965B	0.880B	1.31	0.316	0.238	0.175	0.089	0.082	0.215	0.322	0.608	3
4	1.19 B	0.738B	0.825B	1.30	0.305	0.267	0.189	0.015	0.132	0.247	0.323	1.18	4
5	0.766B	0.644B	0.712B	1.21	0.582	0.235	0.131	0.023	0.100	0.383	0.633	1.27	5
6	0.684B	0.601B	0.664B	1.03	0.558	0.205	0.139	0.102	0.146	0.313	2.15	1.28	6
7	0.638B	0.550	0.607B	0.889	0.494	0.186	0.079	0.078	0.107	0.211	2.13	1.22	7
8	0.565B	0.603	0.543B	0.767	0.462	0.199	0.095	0.022	0.042	0.200	1.98	1.18 B	8
9	0.768B	1.85	0.481	0.701	0.379	0.250	0.181	0.161	0.061	0.961	1.48	1.09	9
10	0.638B	2.49 B	0.468	0.901	0.415	0.212	0.100	0.044	0.180	1.59	1.18	1.05	10
11	0.560B	1.70 B	1.66	1.49	0.442	0.193	0.091	0.024	0.075	1.39	1.04	0.953	11
12	0.462B	1.26 B	10.3	1.33	0.384	0.167	0.191	0.069	0.094	1.46	0.897	0.883	12
13	0.407B	1.04 B	12.0	1.14	0.525	0.160	0.063	0.383	0.205	1.49	0.802	1.42	13
14	0.462B	1.12 B	8.58	1.01	0.555	0.172	0.025	0.315	0.084	1.17	0.761	1.30 B	14
15	0.401B	0.962B	6.04	1.13	0.452	0.171	0.039	0.206	0.077	0.878	0.862	1.21 B	15
16	0.352	0.804B	4.41	1.05	0.680	0.133	0.152	0.206	0.150	0.694	0.983	1.10	16
17	0.490	0.692B	3.45	1.09	1.49	0.116	0.140	0.143	0.192	0.901	0.931	0.970	17
18	2.16	0.590B	2.69	0.998	1.73	0.119	0.149	0.052	0.222	1.14	0.859	1.11	18
19	2.14 B	0.548B	1.92	0.881	1.35	0.105	0.104	0.096	0.080	1.18	0.726	1.46	19
20	1.60 B	0.506B	1.19 B	0.876	1.71	0.094	0.072	0.252	0.101	1.06	0.619	1.18 B	20
21	1.05 B	0.925B	1.28 B	1.13	2.08	0.097	0.039	0.209	0.145	0.919	0.624	1.21	21
22	0.782B	1.12	1.17 B	1.06	1.64	0.105	0.054	0.154	0.040	0.772	0.970	1.97	22
23	0.625B	3.08	1.09 B	0.999	1.15	0.315	0.146	0.154	0.096	0.623	1.34	2.65	23
24	0.822B	2.74 B	1.01 B	0.885	0.827	0.625	0.122	0.157	0.205	0.526	1.41	2.27 B	24
25	1.01	2.21 B	0.958B	0.789	0.662	0.367	0.067	0.031	0.192	0.450	1.38	2.08 B	25
26	1.17	1.70 B	0.896B	0.709	0.511	0.301	0.125	0.058	0.089	0.434	1.21	1.71 B	26
27	1.18	1.52 B	0.960B	0.634	0.432	0.270	0.124	0.084	0.144	0.378	1.27	1.82 B	27
28	1.17 B	1.36 B	0.755B	0.548	0.391	0.228	0.017	0.236	0.079	0.361	1.42	1.94	28
29	1.15 B		0.676B	0.497	0.342	0.271	0.024	0.268	0.076	0.352	1.34	2.61	29
30	0.964B		0.793	0.446	0.298	0.301	0.169	0.234	0.231	0.331	1.17	7.52	30
31	0.684B		0.894		0.261		0.145	0.223				6.11 B	31
TOTAL	25.821	33.720	69.902	28.892	22.143	6.541	3.575	4.364	3.571	21.487	31.470	54.242	TO
MEAN	0.833	1.20	2.25	0.963	0.714	0.218	0.115	0.141	0.119	0.693	1.05	1.75	ME
MAX	2.16	3.08	12.0	1.49	2.08	0.625	0.237	0.383	0.231	1.59	2.15	7.52	MA
MIN	0.172	0.506	0.468	0.446	0.261	0.094	0.017	0.015	0.040	0.200	0.322	0.608	MI

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.838
MAXIMUM DAILY, 12.0 ON MAR 13
MINIMUM DAILY, 0.015 ON AUG 04
MAXIMUM INSTANTANEOUS,
15.0 AT 19:27 EST ON MAR 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 39 46 N
LONG 080 15 19 W
DRAINAGE AREA, 64.8 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 230	JUL	309
FEB	2 910	AUG	377
MAR	6 040	SEP	309
APR	2 500	OCT	1 860
MAY	1 910	NOV	2 720
JUN	565	DEC	4 690

TOTAL DISCHARGE, 26 400 dam³

LYN CREEK NEAR LYN - STATION NO. 02MB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	D
1	0.380B	1.93	1.64 B	1.83	0.992	0.661	0.784	0.082	0.024	0.085	0.476	0.739	
2	0.534B	2.30	1.53	2.25	0.862	0.552	0.765	0.076	0.025	0.092	0.441	0.730	
3	0.491B	1.96B	1.48 B	3.76	0.760	0.583	0.659	0.072	0.022	0.058	0.410	0.692	
4	0.534B	1.61B	1.28 B	7.64	0.674	0.630	0.513	0.061	0.016	0.061	0.430	2.67 B	
5	1.41 B	1.49B	1.10 B	7.59	0.845	0.569	0.381	0.060	0.016	0.109	0.476	5.04	
6	1.70	1.41	0.925B	5.77	1.18	0.518	0.293	0.057	0.014	0.144	1.02	3.37	
7	1.23	1.31	0.775B	4.09	2.48	0.504	0.238	0.051	0.015	0.091	1.41	2.59	
8	0.969	1.30	0.659B	3.32	2.14	0.437	0.199	0.056	0.012	0.060	1.14	2.33	
9	0.868	3.15	0.630B	2.95	5.34	0.577	0.202	0.054	0.009	0.068	1.00	2.23 B	
10	0.834	7.38	0.748	3.46	2.06	2.41	0.193	0.051	0.008	0.106	1.09	2.02 B	
11	0.836	4.30	1.66	7.49	2.49	2.53	0.149	0.045	0.007	0.210	1.36	1.79 B	
12	0.827B	3.00	4.86 B	6.50	5.07	1.43	0.123	0.048	0.006	0.397	1.19	1.59 B	
13	0.775B	2.54	8.39 B	4.58	1.84	0.937	0.114	0.120	0.007	0.705	1.01	1.55 B	
14	0.707B	4.56	8.48	3.73	1.10	0.775	0.130	0.352	0.009	0.992	0.872	1.39 B	
15	0.659B	3.38	8.93	4.00	1.71	0.726	0.122	0.238	0.012	0.666	0.836	1.22 B	
16	0.624B	2.45	10.2	3.48	1.44	0.632	0.117	0.180	0.011	0.502	0.817	1.12	
17	0.595B	2.16	12.5	3.03	1.72	0.521	0.104	0.127	0.008	0.391	0.874	1.02	
18	6.44 B	1.88B	13.3	2.75	3.13	0.570	0.106	0.111	0.010	0.409	0.861	1.16	
19	6.39	1.58B	7.92	2.28	2.49	0.620	0.086	0.100	0.011	0.978	0.843	2.91	
20	3.17	1.35B	7.17	2.03	2.18	0.547	0.073	0.079	0.013	0.739	0.753	1.82 B	
21	2.13	1.24B	6.53	3.24	4.92	0.537	0.074	0.071	0.011	0.688	0.707	1.41 B	
22	1.63	1.47	5.33	3.08	3.90	0.732	0.070	0.069	0.013	0.578	0.701	3.16	
23	1.45	7.36B	4.84	2.44	2.72	0.799	0.327	0.062	0.015	0.759	0.910	10.6 B	
24	1.44	6.83	4.10	2.22	2.12	1.37	0.609	0.059	0.014	0.735	1.09	12.9 B	
25	2.49	4.58B	3.36	1.89	1.75	1.45	0.389	0.055	0.014	0.636	1.03	6.24 B	
26	4.28	3.06B	2.93	1.69	1.52	1.41	0.295	0.054	0.016	0.580	0.929	6.22 B	
27	3.46	2.40B	2.42	1.56	1.32	0.947	0.212	0.053	0.016	0.537	0.905	5.10 B	
28	2.81	1.99B	2.04	1.37	1.14	0.713	0.155	0.044	0.015	0.490	1.03	4.80 B	
29	2.49		1.80	1.23	0.999	0.635	0.125	0.037	0.016	0.567	0.963	4.82 B	
30	2.07		1.67	1.14	0.905	0.846	0.097	0.026	0.044	0.556	0.829	17.6	
31	2.01		1.70		0.770		0.085	0.024		0.509		13.3	
TOTAL	56.233	80.17	130.897	102.39	57.567	26.168	7.789	2.574	0.429	13.498	26.403	124.131	T
MEAN	1.81	2.86	4.22	3.41	1.86	0.872	0.251	0.083	0.014	0.435	0.880	4.00	M
MAX	6.44	7.38	13.3	7.64	4.92	2.53	0.784	0.352	0.044	0.992	1.41	17.6	M
MIN	0.380	1.24	0.630	1.14	0.674	0.437	0.070	0.024	0.006	0.058	0.410	0.692	M

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.72
MAXIMUM DAILY, 17.6 ON DEC 30
MINIMUM DAILY, 0.006 ON SEP 12
MAXIMUM INSTANTANEOUS,
24.1 AT 18:40 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 31 30 N
LONG 075 48 19 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 860	JUL	673
FEB	6 930	AUG	224
MAR	11 300	SEP	37.1
APR	8 850	OCT	1 170
MAY	4 970	NOV	2 280
JUN	2 260	DEC	10 700

TOTAL DISCHARGE, 54 300 dam³

LYNDE CREEK NEAR WHITBY - STATION NO. 02HC018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.490B	0.780B	0.860B	1.16	0.522	0.362	1.95	0.173	0.144	0.436	0.473	0.524	1
2	0.470B	0.750B	0.820B	1.60	0.426	0.355	0.605	0.157	0.161	0.354	0.437	0.499	2
3	0.520B	0.730B	0.800B	2.35	0.465	0.766	0.389	0.138	0.151	0.306	0.430	0.872	3
4	0.740B	0.705B	1.30 B	4.00	0.528	0.605	0.318	0.139	0.141	0.272	0.399	2.21	4
5	1.04 B	0.690B	1.10 B	4.19	0.604	0.446	0.271	0.212	0.485	0.467	0.395	1.61	5
6	0.600B	0.675B	0.920B	1.85	0.532	0.407	0.238	0.198	0.350	0.430	0.395	1.13	6
7	0.440B	0.668	0.800B	1.20	0.491	0.363	0.197	0.187	0.268	0.328	0.407	0.960	7
8	0.460B	1.47	0.700B	0.905	0.515	0.386	0.298	0.170	0.228	0.275	1.49	0.930	8
9	0.600B	8.91 B	0.610	0.871	0.488	0.552	0.498	0.153	0.202	0.285	1.17	1.02	9
10	1.05 B	6.33	0.780	3.39	0.809	0.409	0.289	0.131	0.209	0.493	0.754	1.21	10
11	0.600B	2.85	6.60	5.92	0.724	0.326	0.207	0.123	0.194	0.988	0.634	0.882	11
12	0.470B	1.76	29.1	2.12	0.525	0.284	0.186	0.247	0.177	0.795	0.582	0.729	12
13	0.430B	0.924	14.4	1.36	0.654	0.400	0.186	0.722	0.171	0.705	0.573	0.994	13
14	0.395B	2.92	7.69	1.28	0.610	0.336	0.180	0.548	0.225	3.10	0.537	0.741	14
15	0.375B	2.35	5.18	2.25	0.501	0.289	1.38	0.821	0.494	1.95	0.503	0.721	15
16	0.360B	1.20 B	4.24	1.50	0.737	0.250	0.785	1.22	0.305	0.910	0.466	0.661	16
17	0.585B	0.900B	3.54	2.35	2.48	0.234	0.445	0.471	0.232	0.709	0.493	0.602	17
18	6.00 B	0.820B	2.49	1.42	1.65	0.228	0.315	0.384	0.205	0.573	0.524	1.36	18
19	4.72 B	0.760B	1.43	1.06	0.965	0.223	0.281	0.337	0.251	1.22	0.477	1.90	19
20	3.80 B	0.720B	1.09	1.71	2.42	0.186	0.466	0.299	0.267	1.59	0.431	0.911	20
21	3.13 B	0.866B	1.20	2.23	2.49	0.283	0.385	0.264	0.245	3.35	0.411	1.04	21
22	2.02 B	1.39 B	1.43	1.41	1.21	0.301	0.380	0.244	0.239	1.27	0.403	3.70	22
23	1.66 B	11.0 B	2.57	1.17	0.856	0.330	0.804	0.252	0.223	0.808	0.641	10.3	23
24	2.56 B	5.35 B	1.21	0.974	0.695	0.316	0.475	0.239	0.216	0.686	0.902	3.19	24
25	4.39 B	1.45 B	0.950	0.927	0.593	0.274	0.345	0.222	0.191	0.622	0.679	1.41	25
26	9.99 B	1.20 B	0.866	0.890	0.510	0.245	0.283	0.215	0.222	0.575	0.714	1.19	26
27	4.88	1.05 B	0.700	0.784	0.458	0.285	0.241	0.186	0.216	0.516	0.611	1.93 B	27
28	3.80 B	0.960B	0.688	0.679	0.452	0.231	0.214	0.226	0.199	0.473	0.728	0.912	28
29	3.00 B		0.650	0.598	0.403	0.485	0.189	0.702	0.216	0.446	0.647	4.36	29
30	1.00 B		0.776	0.540	0.366	1.21	0.180	0.176	0.383	0.443	0.540	8.82	30
31	0.840B		1.19		0.357		0.188	0.144		0.507		2.29	31
TOTAL	60.415	60.178	96.680	52.688	25.036	11.367	13.168	9.200	7.210	25.882	17.846	58.708	TOTAL
MEAN	1.95	2.15	3.12	1.76	0.808	0.379	0.425	0.297	0.240	0.835	0.595	1.89	MEAN
MAX	9.99	11.0	29.1	5.92	2.49	1.21	1.95	1.22	0.494	3.35	1.49	10.3	MAX
MIN	0.360	0.668	0.610	0.540	0.357	0.186	0.180	0.123	0.141	0.272	0.395	0.499	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.20
MAXIMUM DAILY, 29.1 ON MAR 12
MINIMUM DAILY, 0.123 ON AUG 11
MAXIMUM INSTANTANEOUS,
46.4 AT 06:45 EST ON MAR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 52 32 N
LONG 078 57 43 W
DRAINAGE AREA, 106 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 220	JUL	1 140
FEB	5 200	AUG	795
MAR	8 350	SEP	623
APR	4 550	OCT	2 240
MAY	2 160	NOV	1 540
JUN	982	DEC	5 070

TOTAL DISCHARGE, 37 900 dam³

LYNN RIVER AT SIMCOE - STATION NO. 02GC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.41	2.02B	2.38B	2.69	2.05	1.83	1.30	0.936	1.08	1.18	1.36	1.68	1
2	1.37	3.29B	2.26B	2.91	1.91	1.70	1.25	0.872	1.05	1.10	1.19	1.62	2
3	1.35	2.93	2.24B	2.96	1.88	1.93	1.22	0.860	1.03	1.06	1.32	2.15	3
4	2.02B	2.58	2.18B	2.91	2.07	1.93	1.17	0.874	1.02	1.52	1.34	3.37	4
5	2.76	2.40	2.06B	2.76	2.31	1.78	1.15	1.03	1.04	1.19	2.23	3.01	5
6	2.03	2.32	1.92B	2.57	2.12	1.61	1.14	1.15	1.18	1.11	3.00	2.53	6
7	1.71	2.31	1.78B	2.48	1.99	1.66	1.11	1.14	1.66	1.07	2.46	2.19	7
8	1.61	2.65	1.76B	2.37	1.88	1.73	1.06	1.26	1.20	1.08	2.04	2.16	8
9	1.64	4.13	1.97B	2.27	1.80	1.81	2.83	0.734	1.14	1.57	1.89	2.13	9
10	2.12	3.84	2.88B	2.99	1.94	1.67	1.63	0.966	1.13	1.47	1.89	2.28	10
11	2.04	3.08	5.07B	3.88	1.85	1.63	1.39	0.916	1.10	1.58	1.85	2.19	11
12	1.83	2.72	5.99	3.31	1.84	1.46	1.35	0.922	1.06	1.88	1.75	2.06	12
13	1.63	2.60	6.03	2.88	2.24	1.53	1.30	2.17	1.03	1.91	1.70	2.05	13
14	1.55	2.49B	5.06	2.93	2.76	1.49	1.30	0.972	1.50	1.68	1.65	1.90	14
15	1.56	2.50B	4.23	3.04	2.39	1.47	1.59	1.06	1.40	1.51	1.62	1.93	15
16	1.64	2.67B	3.72	2.83	2.89	1.37	1.44	1.87	1.25	1.41	1.67	2.40	16
17	3.31B	2.52B	3.51	2.85	3.61	1.37	1.35	1.62	1.11	1.37	1.61	2.30	17
18	8.77B	2.25B	3.26	2.71	3.21	1.51	1.25	1.66	1.05	1.76	1.56	2.63	18
19	4.53	2.18B	3.13	2.53	2.74	1.42	1.25	1.47	1.20	1.83	1.54	2.86	19
20	3.09	2.04B	3.03	2.70	2.71	1.36	1.30	1.34	1.13	1.51	1.53	2.46	20
21	2.69	1.92B	2.95	3.15	2.66	1.52	1.27	1.30	1.17	1.42	1.52	2.45	21
22	2.47	4.17B	2.94	2.96	2.54	1.53	1.28	1.25	1.13	1.61	1.68	3.05	22
23	2.30	8.63B	2.97	2.77	2.32	1.60	1.34	1.21	1.05	1.25	1.72	5.54	23
24	2.63	5.24	2.82	2.61	2.18	1.57	1.27	1.17	1.07	1.40	1.67	4.45	24
25	2.89	3.75B	2.64	2.47	2.10	1.48	1.21	1.13	1.02	1.38	1.63	3.20	25
26	2.92	2.93B	2.57	2.44	2.00	1.41	1.18	1.10	1.03	1.36	1.55	2.75	26
27	2.57	2.74B	2.44	2.30	1.95	1.42	1.08	1.09	0.998	1.34	2.13	2.39	27
28	2.40	2.56B	2.38	2.22	1.99	1.34	1.03	1.53	0.980	1.19	2.03	2.43	28
29	2.26B		2.35	2.16	2.03	1.34	0.975	1.39	1.02	1.38	2.03	4.42	29
30	2.12B		2.58	2.13	1.91	1.32	0.969	1.29	1.39	1.36	1.92	14.3	30
31	1.98B		2.66		2.05		0.975	1.14		1.35		9.05	31
TOTAL	75.20	85.46	93.76	81.80	70.51	46.79	39.959	37.422	34.218	44.03	53.08	103.23	TOTAL
MEAN	2.43	3.05	3.02	2.73	2.27	1.56	1.29	1.21	1.14	1.42	1.77	3.33	MEAN
MAX	8.77	8.63	6.03	3.88	3.61	1.93	2.83	2.17	1.66	1.91	3.00	14.3	MAX
MIN	1.35	1.92	1.76	2.13	1.80	1.32	0.969	0.734	0.980	1.06	1.19	1.62	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.10
MAXIMUM DAILY, 14.3 ON DEC 30
MINIMUM DAILY, 0.734 ON AUG 09
MAXIMUM INSTANTANEOUS,
16.1 AT 04:25 EST ON DEC 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 49 21 N
LONG 080 17 22 W
DRAINAGE AREA, 134 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 500	JUL	3 450
FEB	7 380	AUG	3 230
MAR	9 100	SEP	2 960
APR	7 070	OCT	3 800
MAY	6 090	NOV	4 590
JUN	4 040	DEC	8 920

TOTAL DISCHARGE, 66 100 dam³

MAD RIVER BELOW AVENING - STATION NO. 02ED015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.00B	4.90B	3.02B	6.63	3.12	2.43	2.29	1.22	0.511	1.32	1.50	3.66	1
2	2.19B	4.55B	3.73B	8.25	2.94	3.05	1.75	1.02	0.518	1.31	1.46	3.36	2
3	2.54B	4.20B	3.19B	10.3	2.76	2.93	1.48	0.951	0.498	1.20	1.44	2.79B	3
4	3.16B	3.93B	2.94B	9.46	2.71	2.63	1.29	0.860	0.556	1.86	1.54	3.15	4
5	4.25B	3.80B	2.68B	8.35	3.14	2.44	1.16	0.839	0.739	2.24	2.38	2.81B	5
6	3.38B	4.35B	2.50B	7.18	2.83	2.29	1.25	0.808	0.737	1.96	4.58	2.68B	6
7	2.97B	4.95B	2.33B	6.55	2.68	2.18	1.47	0.815	0.759	1.98	3.00	2.62B	7
8	2.74B	6.35B	2.17B	6.07	2.71	2.11	1.46	0.685	0.677	2.20	2.73	2.79	8
9	2.63B	8.55B	2.04B	5.83	2.68	2.14	1.72	0.670	0.554	3.44	2.39	2.79	9
10	2.96B	6.00B	1.92B	6.93	3.29	2.04	1.47	0.673	0.677	3.10	2.39	3.10	10
11	3.39B	4.90B	2.29B	7.88	3.13	1.98	1.43	0.771	0.479	2.35	2.45	2.61B	11
12	2.74B	4.48	37.0 B	7.09	2.91	1.89	1.28	0.815	0.543	1.99	2.20	2.47B	12
13	2.33B	4.64	47.8 B	6.36	2.80	2.11	1.16	1.04	0.548	1.96	2.10	4.38	13
14	2.12B	4.03B	47.3	6.23	2.58	2.07	1.25	0.879	0.605	1.67	2.02	3.03B	14
15	1.96B	3.58B	37.9	6.46	2.57	2.03	1.35	0.844	0.637	1.57	2.46	2.63B	15
16	1.91B	3.33B	31.9	6.00	2.87	1.84	1.34	0.775	0.614	1.49	2.77	3.29	16
17	2.39B	3.12B	26.3	6.22	2.68	1.77	1.14	0.880	0.593	1.58	2.56	3.07	17
18	12.0 B	2.96B	20.3	5.68	2.60	1.78	1.09	0.655	0.599	1.68	2.33	3.59	18
19	9.65B	2.92B	16.1	5.27	4.83	1.70	1.16	0.808	0.640	1.77	2.20	3.70	19
20	7.65B	2.71B	13.3	5.25	8.51	1.64	1.74	0.801	0.561	1.61	2.26	2.71B	20
21	6.50B	3.18B	11.4	5.61	7.92	1.67	1.32	0.771	0.500	1.55	2.40	3.06B	21
22	5.75B	4.20B	10.8	5.19	5.82	1.71	1.25	0.744	0.639	1.45	3.42	6.60	22
23	5.50B	5.20B	11.7	4.86	4.87	2.11	1.36	0.810	0.672	1.37	3.34	6.67	23
24	6.60B	4.44	9.79	4.54	4.42	2.03	1.21	0.745	1.58	1.35	3.21	4.50B	24
25	8.45B	2.96	8.87	4.38	4.01	1.77	1.09	0.642	0.848	1.55	3.08	3.33B	25
26	10.4 B	2.69B	8.23	4.16	3.58	1.55	1.07	0.681	0.662	1.61	2.80	2.92B	26
27	7.00B	2.53B	7.27	3.91	3.21	1.46	1.07	0.660	0.635	1.47	4.34	2.59B	27
28	5.85B	2.46B	6.76	3.72	3.00	1.36	0.900	0.749	0.560	1.52	5.23	2.38B	28
29	4.88B		6.32	3.64	2.74	1.02	0.916	0.663	0.539	1.62	4.54	10.1 B	29
30	4.50B		6.33	3.37	2.60	2.47	1.61	0.756	1.49	1.57	4.02	15.2	30
31	4.18B		6.65		2.51		1.55	0.618		1.52		6.65B	31
TOTAL	144.57	115.81	400.83	181.37	115.42	61.20	41.666	24.648	20.170	54.86	83.14	125.23	TOTAL
MEAN	4.66	4.14	12.9	6.05	3.72	2.04	1.34	0.795	0.672	1.77	2.77	4.04	MEAN
MAX	12.0	8.55	47.8	10.3	8.51	3.05	2.29	1.22	1.58	3.44	5.23	15.2	MAX
MIN	1.91	2.46	1.92	3.37	2.51	1.36	0.900	0.618	0.479	1.20	1.44	2.38	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.75
MAXIMUM DAILY, 47.8B ON MAR 13
MINIMUM DAILY, 0.479 ON SEP 11

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 18 20 N
LONG 080 04 11 W
DRAINAGE AREA, 239 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	12 500	JUL	3 600
FEB	10 000	AUG	2 130
MAR	34 600	SEP	1 740
APR	15 700	OCT	4 740
MAY	9 970	NOV	7 180
JUN	5 290	DEC	10 800

TOTAL DISCHARGE, 118 000 dam³

MADAWASKA RIVER AT BARK LAKE DAM - STATION NO. 02KD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	19.2	69.0	37.0	18.0	27.0	34.0	12.2	9.00	5.00	6.00	19.2	79.5	1
2	18.3	71.0	34.6	18.0	29.5	34.0	10.4	9.00	4.00	6.00	19.2	75.6	2
3	51.0	68.0	33.6	18.0	31.0	34.0	14.7	9.00	4.00	6.00	19.2	78.9	3
4	83.4	56.0	32.6	6.40	19.5	44.0	11.0	3.00	4.00	6.00	19.2	78.5	4
5	99.5	75.0	31.8	6.40	18.8	34.9	10.0	3.00	4.00	2.90	19.0	78.0	5
6	115	76.5	25.1	7.90	18.0	29.0	10.5	9.00	4.00	6.00	19.0	78.0	6
7	93.7	74.5	25.0	8.20	17.2	29.0	10.8	9.30	4.00	6.00	19.4	77.5	7
8	90.7	73.0	23.5	8.50	22.0	27.0	11.0	9.30	11.6	6.00	19.6	75.2	8
9	96.0	71.5	23.0	7.80	27.0	26.0	5.00	8.30	4.00	3.20	19.6	72.5	9
10	99.0	70.0	21.0	8.60	28.5	25.0	14.0	9.30	12.5	3.20	19.7	73.0	10
11	91.0	68.5	21.0	10.8	23.8	25.0	10.5	3.00	7.20	3.30	19.8	82.0	11
12	92.0	71.0	20.5	6.00	20.0	25.0	10.8	3.00	4.50	3.30	19.9	80.0	12
13	93.0	69.0	20.5	8.00	17.0	18.6	11.0	3.00	4.00	3.20	19.9	76.6	13
14	94.0	68.0	21.3	10.0	23.7	12.0	11.2	9.00	4.00	3.00	19.5	73.0	14
15	89.0	67.0	22.0	12.0	24.0	10.0	11.4	8.00	4.00	3.00	19.0	70.0	15
16	96.0	66.5	23.3	14.0	26.3	9.00	5.00	8.00	4.00	3.00	19.0	67.0	16
17	98.0	66.0	24.0	16.0	26.5	8.00	13.5	8.20	4.60	3.00	19.0	67.0	17
18	107	65.5	24.5	10.5	45.1	10.0	13.5	3.00	4.50	3.00	19.0	63.0	18
19	112	63.0	29.0	5.50	51.7	14.0	13.5	3.00	6.00	8.80	20.0	60.5	19
20	116	62.0	19.8	5.00	58.3	14.0	10.4	3.00	6.40	8.80	20.0	58.0	20
21	120	61.2	14.0	7.00	65.0	10.0	10.4	4.90	6.40	8.80	20.0	54.6	21
22	79.9	59.3	14.5	9.00	70.0	10.0	5.00	8.70	6.40	5.00	20.0	56.4	22
23	75.8	57.5	15.4	12.0	70.0	10.0	10.4	8.70	6.40	4.80	20.0	55.6	23
24	86.9	55.5	16.0	14.4	70.0	10.0	11.3	8.30	6.00	18.0	20.0	54.8	24
25	95.5	53.5	16.0	13.4	69.5	5.00	10.8	3.00	6.00	18.5	20.0	54.0	25
26	87.5	49.0	17.0	13.4	69.0	18.0	10.5	3.00	6.40	19.0	20.5	53.0	26
27	80.0	47.0	17.6	14.4	68.5	18.9	10.5	3.00	4.10	19.0	21.5	49.0	27
28	72.0	38.0	17.1	17.6	63.0	18.7	8.70	8.80	6.00	19.0	28.6	63.0	28
29	69.0		17.0	20.8	50.0	13.8	6.90	8.80	6.00	19.0	56.0	0	29
30	84.0		17.0	24.0	41.0	13.0	5.00	8.80	6.00	19.0	69.0	61.0	30
31	81.0		16.8		34.0		4.90	10.6		19.0		57.0	31
TOTAL	2 685.4	1 792.0	691.5	351.60	1 224.9	589.90	314.80	206.00	166.00	262.80	683.8	2 022.2	TOTAL
MEAN	86.6	64.0	22.3	11.7	39.5	19.7	10.2	6.65	5.53	8.48	22.8	65.2	MEAN
MAX	120	76.5	37.0	24.0	70.0	44.0	14.7	10.6	12.5	19.0	69.0	82.0	MAX
MIN	18.3	38.0	14.0	5.00	17.0	5.00	4.90	3.00	4.00	2.90	19.0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 30.1
MAXIMUM DAILY, 120 ON JAN 21
MINIMUM DAILY, 0 ON DEC 29

DATA CONTRIBUTED BY -
ONTARIO HYDRO

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 45 24 59 N
LONG 077 47 17 W
DRAINAGE AREA, 2 720 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	232 000	JUL	27 200
FEB	155 000	AUG	17 800
MAR	59 700	SEP	14 300
APR	30 400	OCT	22 700
MAY	106 000	NOV	59 100
JUN	51 000	DEC	175 000

TOTAL DISCHARGE, 950 000 dam³

MADAWASKA RIVER AT PALMER RAPIDS - STATION NO. 02KD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	38.9	111	68.0	118	131 A	68.1	29.0	20.5	10.1	10.6	46.0	165	1
2	46.5	111	60.5	116	132 A	85.5	28.9	20.4	9.82	10.8	45.3	173	2
3	88.0	112	47.9	116	132 A	84.9	29.0	20.1	9.71	14.5	45.0	170	3
4	105	114	48.0	120	114 A	83.9	28.9	19.7	9.70	21.6	44.4	170	4
5	116	113	48.7	123	106 E	74.2	28.8	19.2	9.78	23.7	43.8	165	5
6	132	113	48.9	126	97.1E	60.9	26.1	17.2	9.89	25.8	48.1	162	6
7	132	112	49.0	126	87.5A	54.9	22.3	14.4	9.80	25.3	50.3	160	7
8	130	111	48.9	127	87.5A	45.6	22.3	14.4	9.77	24.9	50.5	157	8
9	122	111	48.8	127	88.7	46.4	22.7	14.5	9.96	24.7	50.6	155	9
10	112	111	48.4	128	90.3	47.4	22.9	14.6	10.2	24.6	50.7	145	10
11	119	110	48.0	129	91.5	47.8	22.8	14.6	10.3	31.1	51.1	136	11
12	129	110	48.5	128	90.4	48.4	22.7	14.3	10.1	36.1	51.4	133	12
13	129	106	49.6	124	89.9	48.2	20.1	14.5	10.1	30.8	51.0	129	13
14	129	99.1	58.2	120	89.2	47.4	15.4	14.5	10.0	30.6	49.4	123	14
15	127	99.4	88.3	119	88.3	42.7	16.2	14.7	10.0	33.6	49.2	121	15
16	128	99.8	113	118	87.6	37.1	21.0	15.1	9.69	37.2	49.9	119	16
17	129	100	127	116	95.1	37.0	26.2	15.1	9.52	36.6	50.8	110	17
18	130	99.8	131	110	121	37.2	28.3	15.1	9.39	36.9	51.3	103	18
19	133	99.5	154	111	144	37.4	27.5	14.8	9.41	37.9	51.5	103	19
20	134	98.7	179	113	147	38.3	31.7	14.6	9.39	37.7	52.0	99.2	20
21	134	97.3	174	116	159	38.1	40.8	14.6	9.45	37.5	52.3	87.8	21
22	131	95.4	162	118	167	37.7	34.9	14.9	9.66	37.4	55.7	82.5	22
23	128	91.9	157	120	167	37.1	35.3	15.1	9.72	42.3	59.7	98.7	23
24	129	84.6	181	121	165	36.2	35.4	15.0	9.72	50.2	60.3	110	24
25	131	84.1	191	122A	159	32.4	35.3	14.8	9.88	50.2	68.3	109	25
26	131	80.0	197	123A	150	27.2	35.2	14.7	10.0	49.3	73.3	109	26
27	130	69.5	179	123E	148	28.0	31.6	14.4	9.99	48.4	76.2	108	27
28	129	68.8	167	124E	132	28.4	27.4	14.3	10.0	48.2	95.4	113	28
29	122		154	126E	99.7	28.8	27.2	14.3	10.2	47.7	120	119	29
30	110		124	128A	68.3	28.8	24.2	14.2	10.6	47.1	139	132	30
31	112		121		55.8		20.6	12.3		46.8		139	31
TOTAL	3 696.4	2 812.9	3 320.7	3 638	3 580.9	1 386.0	840.7	480.9	295.85	1 060.1	1 782.5	4 006.2	TOTAL
MEAN	119	100	107	121	116	46.2	27.1	15.5	9.86	34.2	59.4	129	MEAN
MAX	134	114	197	129	167	85.5	40.8	20.5	10.6	50.2	139	173	MAX
MIN	38.9	68.8	47.9	110	55.8	27.2	15.4	12.3	9.39	10.6	43.8	82.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MEAN, 73.7
MAXIMUM DAILY, 197 ON MAR 26
MINIMUM DAILY, 9.39 ON SEP 18
MAXIMUM INSTANTANEOUS,
206 AT 20:38 EST ON MAR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 19 39 N
LONG 077 30 50 W
DRAINAGE AREA, 5 800 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	319 000	JUL	72 600
FEB	243 000	AUG	41 500
MAR	287 000	SEP	25 600
APR	314 000	OCT	91 600
MAY	309 000	NOV	154 000
JUN	120 000	DEC	346 000

TOTAL DISCHARGE, 2 320 000 dam³

MADAWASKA RIVER AT STEWARTVILLE - STATION NO. 02KE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	41.0	97.0	120	177	151	76.0	6.00	8.00	8.00	20.0	55.0	184	1
2	65.0	129	115	154	138	79.0	8.00	14.0	7.00	14.0	36.0	183	2
3	62.0	116	57.0	157	129	101	61.0	11.0	0	12.0	30.0	210	3
4	87.0	115	28.0	201	136	99.0	60.0	4.00	15.0	16.0	29.0	174	4
5	139	109	66.0	246	137	66.0	51.0	5.00	14.0	17.0	76.0	177	5
6	119	106	97.0	254	82.0	64.0	20.0	8.00	11.0	10.0	61.0	157	6
7	119	124	86.0	205	91.0	65.0	28.0	21.0	0	6.00	82.0	144	7
8	121	91.0	65.0	199	75.0	79.0	3.00	16.0	3.00	9.00	98.0	188	8
9	130	115	86.0	176	80.0	48.0	32.0	12.0	6.00	49.0	49.0	171	9
10	119	120	55.0	188	117	49.0	13.0	0	14.0	26.0	7.00	165	10
11	115	101	46.0	212	78.0	60.0	22.0	11.0	9.00	31.0	46.0	102	11
12	147	140	89.0	211	86.0	60.0	25.0	0	33.0	36.0	82.0	107	12
13	129	110	102	152	90.0	46.0	14.0	17.0	4.00	24.0	80.0	139	13
14	110	115	254	141	85.0	141	3.00	8.00	2.00	0	57.0	125	14
15	125	117	327	113	102	98.0	6.00	10.0	9.00	38.0	57.0	63.0	15
16	121	139	301	138	137	21.0	26.0	21.0	0	15.0	54.0	77.0	16
17	147	113	277	175	133	10.0	19.0	30.0	15.0	30.0	13.0	124	17
18	149	95.0	292	160	150	18.0	33.0	0	13.0	50.0	7.00	131	18
19	122	124	288	157	158	16.0	16.0	5.00	21.0	89.0	72.0	176	19
20	132	137	232	128	164	41.0	30.0	23.0	10.0	38.0	49.0	114	20
21	143	144	245	141	156	30.0	31.0	8.00	5.00	17.0	109	104	21
22	123	125	250	128	147	40.0	51.0	19.0	5.00	70.0	64.0	76.0	22
23	123	120	218	172	221	19.0	48.0	24.0	8.00	62.0	64.0	104	23
24	125	114	225	150	181	2.00	49.0	23.0	11.0	30.0	55.0	130	24
25	130	123	280	160	189	73.0	41.0	7.00	14.0	43.0	41.0	119	25
26	140	123	273	198	173	15.0	66.0	4.00	20.0	30.0	90.0	113	26
27	118	107	231	143	177	39.0	51.0	60.0	11.0	35.0	89.0	144	27
28	124	111	198	163	154	40.0	18.0	15.0	6.00	26.0	92.0	185	28
29	164		177	107	150	35.0	4.00	2.00	13.0	62.0	94.0	114	29
30	148		180	148	64.0	19.0	72.0	25.0	6.00	44.0	158	144	30
31	114		172		63.0		21.0	14.0		59.0		201	31
TOTAL	3 751.0	3 280.0	5 422.0	5 054	3 994.0	1 569.00	928.00	425.00	293.00	1 008.00	1 906.00	4 345.0	TOTAL
MEAN	121	117	175	168	129	52.3	29.9	13.7	9.77	32.5	63.5	140	MEAN
MAX	164	144	327	254	221	141	72.0	60.0	33.0	89.0	158	210	MAX
MIN	41.0	91.0	28.0	107	63.0	2.00	3.00	0	0	0	7.00	63.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MEAN, 87.6
MAXIMUM DAILY, 327 ON MAR 15
MINIMUM DAILY, 0 ON AUG 10

DATA CONTRIBUTED BY -
ONTARIO HYDRO

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 45 24 25 N
LONG 076 30 28 W
DRAINAGE AREA, 8 160 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	324 000	JUL	80 200
FEB	283 000	AUG	36 700
MAR	468 000	SEP	25 300
APR	437 000	OCT	87 100
MAY	345 000	NOV	165 000
JUN	136 000	DEC	375 000

TOTAL DISCHARGE, 2 760 000 dam³

MADTER DRAIN AT CONCESSION #7 (KETTLE TEST) - STATION NO. 02GC033

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.005B	0.015B	0.011B	0.041	0.005	0.003E	0.015	0.005	0.014	0.015	0.010	0.018	1
2	0.009B	0.076B	0.021B	0.132	0.004	0.001E	0.009	0.003	0.009	0.012	0.009	0.017	2
3	0.013B	0.047B	0.063B	0.092	0.003	0.013E	0.005	0.002	0.006	0.010	0.009	0.180E	3
4	0.057B	0.032B	0.020B	0.054	0.005	0.010E	0.003	0.001	0.005	0.162	0.009	0.500E	4
5	0.071B	0.024B	0.014B	0.034	0.008	0.006E	0.002	0.003	0.003	0.020	0.700E	0.056	5
6	0.039B	0.027B	0.011B	0.032	0.005	0.007	0.001	0.001	0.060E	0.013	0.330	0.033	6
7	0.030B	0.062B	0.009B	0.024	0.004	0.005	0	0	0.143A	0.016	0.054	0.031	7
8	0.032B	0.505B	0.008B	0.020	0.003	0.047	0.001	0	0.037	0.017	0.049	0.051	8
9	0.052B	0.986B	0.138B	0.018	0.003	0.014	0.262	0	0.019	0.552A	0.057	0.086E	9
10	0.087B	0.198B	0.183B	0.223	0.003	0.014	0.014	0	0.014	0.350E	0.096	0.092	10
11	0.097B	0.074B	0.398B	0.203	0.002	0.009	0.010	0	0.010	0.580E	0.052	0.041	11
12	0.061B	0.048B	0.432B	0.050	0.001	0.007	0.006	0.001	0.007	0.244	0.033	0.037	12
13	0.040B	0.074E	0.491E	0.036	0.050	0.005	0.003	0.015	0.006	0.103	0.024	0.049	13
14	0.032B	0.042A	0.275E	0.036	0.024A	0.004	0.090E	0.005	0.370E	0.030	0.019	0.027	14
15	0.029B	0.030B	0.156E	0.042	0.018E	0.003	0.024	0.003	0.260E	0.019	0.018	0.025	15
16	0.034B	0.027B	0.177E	0.031	0.278E	0.002	0.014	0.001	0.078	0.016	0.019	0.074	16
17	0.464B	0.025B	0.122E	0.038	0.522E	0.001	0.011	0.001	0.039	0.018	0.018	0.030	17
18	0.993B	0.023B	0.064E	0.028	0.173E	0.002	0.007	0	0.023	0.640E	0.016	0.258	18
19	0.165B	0.020B	0.064E	0.023	0.073E	0.001	0.005	0.001	0.024	0.055	0.016	0.126	19
20	0.076B	0.009B	0.053E	0.036	0.191E	0	0.010	0.002	0.021	0.028	0.016	0.034	20
21	0.040B	0.019B	0.052E	0.114	0.136E	0	0.006	0.001	0.017	0.025	0.014	0.114	21
22	0.035B	1.79 B	0.086E	0.039	0.058E	0	0.005	0.001	0.025	0.029	0.143	0.213	22
23	0.032B	0.634B	0.143E	0.026	0.033E	0.106	0.005	0.001	0.017	0.025	0.050	0.180B	23
24	0.139E	0.182B	0.027	0.021	0.020E	0.047	0.004	0	0.029	0.021	0.028	0.040B	24
25	0.284E	0.033B	0.022	0.017	0.015E	0.020	0.003	0	0.018	0.019	0.026	0.017B	25
26	0.177B	0.024B	0.020	0.014	0.013E	0.015	0.002	0	0.017	0.017	0.021	0.013B	26
27	0.080B	0.018B	0.017	0.011	0.010E	0.013	0.001	0.004	0.014	0.015	0.116	0.012B	27
28	0.100B	0.014B	0.016	0.009	0.008E	0.009	0.001	2.00 E	0.011	0.014	0.160E	0.012B	28
29	0.044B		0.016	0.007	0.009E	0.007	0	0.304A	0.010	0.012	0.046	1.60 B	29
30	0.028B		0.038	0.006	0.006E	0.028	0.025	0.071	0.013	0.012	0.021	0.720B	30
31	0.018B		0.036		0.005E		0.012	0.023		0.011		0.125B	31
TOTAL	3.363	5.058	3.183	1.457	1.688	0.399	0.556	2.449	1.319	3.100	2.179	4.811	TOT
MEAN	0.109	0.181	0.103	0.049	0.055	0.013	0.018	0.079	0.044	0.100	0.073	0.155	MEA
MAX	0.993	1.79	0.491	0.223	0.522	0.106	0.262	2.00	0.370	0.640	0.700	1.60	MAX
MIN	0.005	0.009	0.008	0.006	0.001	0	0	0	0.003	0.010	0.009	0.012	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.081
MAXIMUM DAILY, 2.00E ON AUG 28
MINIMUM DAILY, 0 ON JUN 20
MAXIMUM INSTANTANEOUS,
5.25A AT 17:00 EST ON AUG 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 52 53 N
LONG 081 09 21 W
DRAINAGE AREA, 4 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	291	JUL	48.0
FEB	437	AUG	212
MAR	275	SEP	114
APR	126	OCT	268
MAY	146	NOV	188
JUN	34.5	DEC	416

TOTAL DISCHARGE, 2 560 dam³

MAGNETAWAN RIVER NEAR BRITT - STATION NO. 02EA011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	20.1	52.0	29.3	99.3	126	61.4	22.5	7.35	4.09	10.7	52.9	147	1
2	19.8	51.7	29.0	93.7	121	57.0	22.3	6.87	4.03	11.1	50.2	153	2
3	19.7	50.5B	28.4	92.8	112	52.3	21.7	6.45	3.89	11.3	48.0	153	3
4	19.7	49.5B	27.7	91.0	102	47.6	20.7	6.14	3.78	12.0	45.9	153	4
5	19.9	49.0B	27.2	90.0	92.7	42.9	20.1	5.88	3.80	12.6	44.2	149	5
6	20.2	47.5B	26.9	91.1	83.9	39.2	19.2	5.60	3.76	13.2	44.9	141	6
7	20.2	46.5	26.3	93.7	76.3	35.3	18.3	5.32	3.72	14.3	45.1	131	7
8	20.2	45.2	25.8	95.4	70.0	31.8	17.6	5.08	3.60	16.0	45.8	123	8
9	20.3	44.4	25.6	95.9	64.1	29.8	17.4	4.89	3.59	19.1	48.1	115	9
10	20.2	43.6	25.4	95.7	59.9	28.7	16.1	4.74	3.48	25.2	51.9	107	10
11	20.4	42.5	25.5	93.4	58.0	27.7	15.1	4.62	3.46	41.2	55.5	99.7	11
12	20.7	41.5	27.9	89.5	55.5	26.6	14.1	4.55	3.36	53.2	57.1	90.8	12
13	20.8	40.7	32.6	85.7	53.4	25.7	13.1	4.55	3.24	62.6	57.1	79.9	13
14	20.9	39.8	40.8	84.3	52.0	24.8	12.2	4.64	3.42	72.0	56.3	69.8	14
15	21.0	39.1	62.9	85.8	51.1	24.4	11.6	5.10	4.18	78.6	55.6	64.3	15
16	21.0	38.4	91.9	87.2	50.5	24.2	11.1	5.45	4.12	81.3	56.3	61.3	16
17	22.8	37.0B	112	87.5	57.1	23.9	10.9	5.72	3.89	81.4	60.9	59.3	17
18	28.0	36.4B	129	87.9	84.7	24.5	10.9	6.07	3.82	84.2	65.7	58.1	18
19	31.2	35.7B	145	88.9	85.7	24.0	11.1	6.18	3.84	87.0	69.4	56.8	19
20	33.8	35.0B	157	91.9	88.3	22.7	11.8	5.94	3.82	86.1	71.9	55.4	20
21	35.3	34.5B	164	95.0	98.8	21.7	12.4	5.73	4.00	87.7	73.0	53.9	21
22	37.3	33.9	168	97.6	107	20.5	12.7	5.54	4.48	92.4	79.1	52.6	22
23	38.7	32.9	173	101	110	20.1	12.6	5.45	4.50	94.9	82.0	51.7	23
24	39.8	31.7	170	104	110	21.4	12.1	5.29	4.73	96.4	84.0	50.7	24
25	41.8	31.4	165	109	106	20.6	11.4	5.12	5.34	95.7	87.2	50.1	25
26	46.2	30.6	159	114	100	20.3	10.7	4.96	6.03	91.8	90.2	50.4	26
27	49.0	30.0	151	119	94.5	21.3	10.2	4.80	6.76	85.0	95.5	49.7	27
28	50.8	29.8	143	124	88.6	21.2	9.51	4.70	8.03	76.8	110	48.8	28
29	52.1		131	128	81.7	21.3	8.83	4.50	9.14	68.1	123	48.6	29
30	52.5		118	128	73.4	21.8	8.38	4.35	10.1	61.9	135	49.0	30
31	52.2		108		66.4		7.96	4.21		56.9		49.3	31
TOTAL	936.6	1 120.8	2 746.2	2 940.3	2 580.6	884.7	434.58	165.79	138.00	1 781.7	2 041.8	2 622.2	TOT
MEAN	30.2	40.0	88.6	98.0	83.2	29.5	14.0	5.35	4.60	57.5	68.1	84.6	MEA
MAX	52.5	52.0	173	128	126	61.4	22.5	7.35	10.1	96.4	135	153	MAX
MIN	19.7	29.8	25.4	84.3	50.5	20.1	7.96	4.21	3.24	10.7	44.2	48.6	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 50.4
MAXIMUM DAILY, 173 ON MAR 23
MINIMUM DAILY, 3.24 ON SEP 13
MAXIMUM INSTANTANEOUS,
175 AT 16:45 EST ON MAY 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 46 20 N
LONG 080 28 46 W
DRAINAGE AREA, 2 850 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	80 900	JUL	37 500
FEB	96 800	AUG	14 300
MAR	237 000	SEP	11 900
APR	254 000	OCT	154 000
MAY	223 000	NOV	176 000
JUN	76 400	DEC	227 000

TOTAL DISCHARGE, 1 590 000 dam³

MAGNETAWAN RIVER NEAR BURK'S FALLS - STATION NO. 02EA006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.75B	8.00B	5.65B	25.2	29.8	12.8	4.72	4.82	1.54	1.51	10.6	26.9	1
2	4.80B	7.95B	5.55B	24.8	29.0	12.4	4.82	4.57	1.37	1.57	10.3	27.6	2
3	4.72	7.90B	5.45B	25.4	28.1	12.2	4.85	4.31	1.34	1.61	9.82	28.0	3
4	4.82	7.85B	5.35B	25.4	26.9	11.7	4.81	4.09	1.34	1.84	9.58	28.5	4
5	4.90	7.80B	5.30B	25.5	25.5	7.70	4.51	3.99	1.30	1.94	9.35	28.1	5
6	4.92	7.70B	7.34B	25.3	24.2	3.18	4.35	3.70	1.31	2.00	10.4	27.5	6
7	4.93	7.50B	9.49B	24.9	23.1	3.33	4.30	3.71	1.25	2.06	10.4	26.6	7
8	4.90	7.55B	9.13B	24.4	19.8	3.53	4.39	3.57	1.25	2.37	10.4	25.6	8
9	4.90	7.50B	8.59B	24.0	17.0	3.81	4.78	3.38	1.20	2.91	10.4	24.6	9
10	4.99	7.60B	8.01B	23.9	16.9	4.00	4.55	3.21	1.22	8.49	10.4	23.6	10
11	5.09	7.40B	7.50B	23.5	15.0	4.21	4.37	3.08	0.982	14.1	10.4	22.5	11
12	5.12	7.30B	8.05	23.0	13.3	4.48	3.49	2.96	0.776	13.6	10.3	21.6	12
13	5.05B	7.20B	8.80	22.6	13.1	4.57	2.61	2.82	0.775	13.1	10.8	20.7	13
14	5.01B	7.05B	10.2	22.2	13.0	4.64	2.64	2.79	0.868	12.8	11.2	19.5	14
15	4.97	6.95B	12.3	22.0	12.8	4.62	2.77	2.72	1.10	12.5	10.8	18.2	15
16	4.92	6.85B	14.6	21.8	12.7	4.63	2.91	2.66	1.06	12.0	10.9	17.5	16
17	5.18	6.75B	17.5	22.3	13.6	4.63	2.92	2.58	1.05	12.0	11.1	16.7	17
18	5.40B	6.65B	20.0	22.2	14.9	4.76	3.54	2.46	1.13	13.0	11.1	16.1	18
19	5.70B	6.55B	22.4 B	22.2	15.8	4.29	4.17	2.29	1.08	13.8	11.1	15.3	19
20	5.98	6.45B	24.6	22.7	17.0	4.22	4.11	2.23	1.07	13.9	11.2	14.8B	20
21	6.10	6.35B	26.4	23.1	18.5	4.12	3.08	2.19	1.08	14.0	11.4	14.1	21
22	6.30B	6.25B	28.1	23.4	24.0	4.12	0.591	2.10	1.18	14.0	13.7	13.7	22
23	6.41	6.25B	29.7	24.2	27.5	4.24	0.666	2.05	1.18	13.9	15.4	13.5	23
24	6.64	6.15B	30.3	25.1	26.2	4.28	0.731	1.97	1.21	13.8	16.1	13.1	24
25	6.85B	6.05B	30.5	27.0	26.1	4.43	0.768	1.93	1.25	13.5	16.7	13.0	25
26	7.05B	5.95B	30.2	28.4	26..	4.42	2.22	1.89	1.30	13.0	17.0	12.7B	26
27	7.45B	5.85B	29.7	29.6	24.9	4.39	3.42	1.79	1.32	12.7	18.9	12.3B	27
28	7.70B	5.80B	29.1	30.2	23.8	4.43	0.822	1.77	1.34	12.4	22.0	12.0	28
29	7.85B		28.2	30.3	20.4	4.41	0.836	1.69	1.36	11.9	23.7	12.1	29
30	7.95B		27.3	30.0	14.9	4.59	0.877	1.64	1.43	11.4	25.6	12.3	30
31	8.00B		26.3		13.3		2.88	1.55		11.0		12.3B	31
TOTAL	179.35	195.31	531.61	744.7	627.2	163.13	96.501	86.59	35.661	298.70	391.05	591.0	TOTAL
MEAN	5.79	6.98	17.1	24.8	20.2	5.44	3.11	2.79	1.19	9.64	13.0	19.1	MEAN
MAX	8.00	8.00	30.5	30.3	29.8	12.8	4.85	4.82	1.54	14.1	25.6	28.5	MAX
MIN	4.72	5.80	5.30	21.8	12.7	3.18	0.591	1.55	0.775	1.51	9.35	12.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.8
MAXIMUM DAILY, 30.5 ON MAR 25
MINIMUM DAILY, 0.591 ON JUL 22
MAXIMUM INSTANTANEOUS,
30.7 AT 12:55 EST ON MAR 25

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 37 03 N
LONG 079 23 17 W
DRAINAGE AREA, 650 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	15 500	JUL	8 340
FEB	16 900	AUG	7 480
MAR	45 900	SEP	3 080
APR	64 300	OCT	25 800
MAY	54 200	NOV	33 800
JUN	14 100	DEC	51 100

TOTAL DISCHARGE, 341 000 dam³

MAGPIE RIVER AT ESNAGI LAKE - STATION NO. 02BD005

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.047E	2.912	2.850	2.979	3.542A	3.613	3.568	3.513	3.466	3.551	3.625	3.522	1
2	3.034E	2.910	2.852	2.972	3.542	3.617	3.556	3.506	3.468	3.549	3.614	3.521	2
3	3.018E	2.907	2.849	2.970	3.576	3.638	3.567	3.505	3.449	3.539	3.616	3.515	3
4	3.008E	2.902	2.847	2.992	3.609	3.620	3.572	3.516	3.452	3.548	3.609	3.512	4
5	2.996E	2.898	2.847	3.022	3.627	3.603	3.567	3.523	3.453	3.547	3.602	3.509	5
6	2.990	2.900	2.843	3.045E	3.618	3.601	3.558	3.519	3.455	3.555	3.596	3.503	6
7	2.987	2.895	2.839	3.066E	3.626	3.604	3.548	3.512	3.455	3.548	3.582	3.500	7
8	2.984	2.893	2.836	3.089E	3.630	3.600	3.548	3.501	3.430	3.541	3.567	3.495	8
9	2.983	2.891	2.835	3.111E	3.638	3.606	3.562	3.509	3.450	3.541	3.560	3.491	9
10	2.976	2.888	2.833	3.133E	3.662	3.608	3.565	3.520	3.461	3.536	3.560	3.485	10
11	2.974	2.887	2.832	3.154E	3.647	3.594	3.566	3.513	3.442	3.533	3.558	3.481	11
12	2.972	2.885	2.841	3.175E	3.648	3.580	3.559	3.511	3.456	3.532	3.555	3.474	12
13	2.966	2.885	2.844	3.196E	3.656	3.585	3.548	3.502	3.441	3.530	3.546	3.477	13
14	2.963	2.882	2.848	3.218E	3.662	3.594	3.547	3.493	3.512	3.529	3.525	3.477	14
15	2.959	2.877	2.854	3.240E	3.672	3.592	3.543	3.498	3.529	3.530	3.527	3.469	15
16	2.957	2.881	2.864	3.262E	3.674	3.577	3.527	3.489	3.545	3.529	3.527	3.469	16
17	2.951	2.881	2.883	3.282E	3.683	3.572	3.527	3.500	3.542	3.549	3.519	3.464	17
18	2.946	2.876	2.896	3.302E	3.697	3.583	3.547	3.508	3.537	3.594	3.508	3.459	18
19	2.935	2.876	2.908	3.321E	3.701	3.565	3.543	3.493	3.547	3.577	3.503	3.460	19
20	2.939	2.872	2.920	3.340E	3.703	3.555	3.546	3.487	3.547	3.573	3.505	3.450	20
21	2.934	2.868	2.929	3.362E	3.701	3.554	3.540	3.483	3.545	3.584	3.498	3.448	21
22	2.930	2.866	2.940	3.382E	3.698	3.562	3.542	3.479	3.561	3.593	3.500	3.448	22
23	2.927	2.869	2.948	3.400E	3.695	3.568	3.540	3.473	3.567	3.603	3.505	3.443	23
24	2.927	2.868	2.955	3.418E	3.692	3.555	3.530	3.468	3.556	3.621	3.517	3.441	24
25	2.924	2.862	2.961	3.435E	3.685	3.538	3.525	3.474	3.563	3.626	3.516	3.436	25
26	2.924	2.856	2.964	3.455E	3.680	3.554	3.524	3.478	3.562	3.618	3.514	3.432	26
27	2.918	2.855	2.969	3.472E	3.672	3.548	3.519	3.480	3.565	3.619	3.519	3.429	27
28	2.917	2.855	2.969	3.490E	3.674	3.539	3.514	3.481	3.563	3.644	3.529	3.425	28
29	2.917		2.970	3.507E	3.655	3.551	3.518	3.475	3.562	3.626	3.530	3.404	29
30	2.913		2.980	3.524E	3.645	3.562	3.535	3.464	3.558	3.633	3.526	3.381	30
31	2.911		2.982		3.631		3.519	3.457		3.632		3.362	31
MEAN	2.959	2.882	2.893	3.244	3.653	3.581	3.544	3.495	3.508	3.572	3.545	3.464	MEAN
MAX	3.047	2.912	2.982	3.524	3.703	3.638	3.572	3.523	3.567	3.644	3.625	3.522	MAX
MIN	2.911	2.855	2.832	2.970	3.542	3.538	3.514	3.457	3.430	3.529	3.498	3.362	MIN

WATER LEVELS IN METRES

MEAN, 3.364
MAXIMUM DAILY, 3.703 ON MAY 20
MINIMUM DAILY, 2.832 ON MAR 11
MAXIMUM INSTANTANEOUS,
3.707 AT 14:27 EST ON MAY 20

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 20 50 N
LONG 084 31 59 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

MAGPIE RIVER NEAR MICHIPICOTEN - STATION NO. 02BD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.99B	7.83B	59.9	15.4	---	---	---	---	---	---	---	---	1
2	7.98B	7.83B	59.8	14.5	---	---	---	---	---	---	---	---	2
3	7.97B	7.84B	54.5	15.4	---	---	---	---	---	---	---	---	3
4	7.95B	7.86B	55.0	15.2	---	---	---	---	---	---	---	---	4
5	7.93B	7.88B	56.7	16.0	---	---	---	---	---	---	---	---	5
6	7.91B	7.92B	59.7	16.2	---	---	---	---	---	---	---	---	6
7	7.88B	7.95B	53.8	17.2	---	---	---	---	---	---	---	---	7
8	7.87B	7.97B	50.4	---	---	---	---	---	---	---	---	---	8
9	7.84B	7.99B	47.6	---	---	---	---	---	---	---	---	---	9
10	7.82B	8.03B	47.3	---	---	---	---	---	---	---	---	---	10
11	7.81B	8.08B	47.7	---	---	---	---	---	---	---	---	---	11
12	7.81B	8.11B	49.5	---	---	---	---	---	---	---	---	---	12
13	7.80B	8.15B	50.7	---	---	---	---	---	---	---	---	---	13
14	7.80B	8.25B	50.1	---	---	---	---	---	---	---	---	---	14
15	7.79B	8.35B	48.1	---	---	---	---	---	---	---	---	---	15
16	7.79B	8.50B	59.3	---	---	---	---	---	---	---	---	---	16
17	7.79B	8.80B	53.4	---	---	---	---	---	---	---	---	---	17
18	7.79B	9.35B	11.4	---	---	---	---	---	---	---	---	---	18
19	7.78B	9.80B	15.3	---	---	---	---	---	---	---	---	---	19
20	7.78B	10.3 B	13.5	---	---	---	---	---	---	---	---	---	20
21	7.78B	11.2 B	11.1	---	---	---	---	---	---	---	---	---	21
22	7.78B	12.5 B	12.5	---	---	---	---	---	---	---	---	---	22
23	7.79B	15.4	16.4	---	---	---	---	---	---	---	---	---	23
24	7.79B	40.8	14.2	---	---	---	---	---	---	---	---	---	24
25	7.80B	55.0	20.8	---	---	---	---	---	---	---	---	---	25
26	7.80B	52.5	13.7	---	---	---	---	---	---	---	---	---	26
27	7.81B	47.6	12.6	---	---	---	---	---	---	---	---	---	27
28	7.81B	51.8	12.9	---	---	---	---	---	---	---	---	---	28
29	7.82B		15.3	---	---	---	---	---	---	---	---	---	29
30	7.82B		15.0	---	---	---	---	---	---	---	---	---	30
31	7.83B		15.2		---		---			---		---	31
TOTAL	242.91	453.59	1 103.4	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	7.84	16.2	35.6	---	---	---	---	---	---	---	---	---	MEAN
MAX	7.99	55.0	59.9	---	---	---	---	---	---	---	---	---	MAX
MIN	7.78	7.83	11.1	---	---	---	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 56 20 N
LONG 084 49 50 W
DRAINAGE AREA, 1 930 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	21 000	JUL	---
FEB	39 200	AUG	---
MAR	95 300	SEP	---
APR	---	OCT	---
MAY	---	NOV	---
JUN	---	DEC	---

MAITLAND RIVER ABOVE WINGHAM - STATION NO. 02FE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.30B	9.70B	6.00B	11.5	3.58	1.82	4.77	1.67	0.788	2.40	5.02	20.1	1
2	3.50B	10.5 B	6.20B	12.0	3.43	2.04	3.07	1.58	0.726	3.25A	3.31	15.9	2
3	5.00B	11.3 B	6.80B	13.9	3.22	2.97	2.26	1.30	0.676	1.80E	2.94	13.4	3
4	8.50B	8.50B	6.60B	13.7	3.66	3.18	1.85	1.13	0.677	3.90E	2.85	14.3	4
5	13.0 B	7.50B	5.50B	11.9	3.14	2.76	1.64	1.09	0.750	10.5 E	4.76	16.5	5
6	12.3 B	7.00B	5.00B	9.96	3.63	2.46	1.52	0.978	0.852	7.00E	34.2	14.1	6
7	10.2 B	6.60B	4.50B	8.62	3.32	2.25	1.41	0.862	1.24	3.50E	45.3	12.5	7
8	8.99B	7.02B	4.30B	7.53	2.99	2.05	1.48	0.824	1.43	2.70E	27.7	11.4	8
9	7.10B	19.8	4.80B	6.89	2.72	1.96	1.81	0.811	1.07	16.0 E	18.1	10.7	9
10	5.60B	36.8	7.90	7.03	2.61	1.89	6.17	0.786	0.952	33.0 E	14.8	11.2	10
11	5.10B	24.8 B	16.4	8.60	2.74	1.81	1.22	0.757	0.915	30.0 E	13.8	11.4	11
12	4.60B	15.6 B	52.5	8.88	2.95	1.74	0.721	0.784	0.860	21.0 E	12.1	10.6	12
13	4.20B	12.3 B	111	6.49	2.97	1.68	0.733	0.885	0.781	16.0 E	10.4	14.1	13
14	4.40B	10.0 B	93.4	4.32	2.80	2.07	1.14	1.17	0.828	12.6 E	9.41	18.3	14
15	5.00B	8.60B	54.2	8.42	2.51	3.32	1.25	1.22	1.32	11.0 E	10.5	13.9	15
16	5.90B	7.60B	35.3	9.58	2.47	3.07	1.24	1.12	1.45	8.71A	14.1	11.8	16
17	8.00B	7.00B	26.7	10.0	6.45	2.23	1.19	1.04	1.21	9.12	13.6	10.5	17
18	40.0 B	6.40B	20.8	10.8	15.3	1.87	1.12	0.957	1.03	19.3	10.7	11.8	18
19	60.0 B	6.00B	16.1	9.58	9.30	1.73	1.11	0.901	0.977	30.9	8.50	16.5	19
20	50.0 B	5.80B	13.0	8.42	12.6	1.63	1.20	0.837	0.973	24.4	7.24	14.6	20
21	28.0 B	5.50B	11.4	9.53	20.9	1.56	1.28	0.776	0.963	15.0	6.36	11.5	21
22	20.0 B	7.40B	11.5	9.58	17.3	1.60	1.21	0.774	0.948	10.8	11.9	14.3	22
23	16.0 B	18.8	22.0	8.37	11.7	1.91	1.16	0.746	1.05	8.39	27.1	24.5	23
24	14.5 B	22.8 B	23.2	6.89	5.37	1.85	1.13	0.739	1.07	6.76	23.6	21.4 B	24
25	16.2 B	11.0 B	15.6	6.02	6.05	2.33	1.06	0.712	1.03	5.67	18.9	13.7 B	25
26	22.5 B	8.90B	12.9	5.50	5.12	2.47	0.923	0.683	1.04	4.79	16.5	8.90B	26
27	19.0 B	7.70B	11.0	5.05	4.24	2.06	0.866	0.703	1.02	4.38	20.6	7.01B	27
28	20.0 B	6.90B	9.64	4.50	3.44	1.78	0.830	0.865	1.06	3.90	49.5	6.68B	28
29	16.9 B		8.97	4.06	1.98	2.07	0.787	0.907	1.14	4.03	49.3	13.5 B	29
30	12.3 B		9.20	3.77	1.78	6.17	1.20	1.01	1.45	3.86	30.2	101 B	30
31	10.5 B		10.9		2.99		1.34	0.878		3.57		78.6	31
TOTAL	460.49	317.82	643.31	251.39	170.76	68.33	48.690	29.495	30.276	338.23	523.29	574.69	TOTAL
MEAN	14.9	11.4	20.8	8.38	5.51	2.28	1.57	0.952	1.01	10.9	17.4	18.5	MEAN
MAX	60.0	36.8	111	13.9	20.9	6.17	6.17	1.67	1.45	33.0	49.5	101	MAX
MIN	3.30	5.50	4.30	3.77	1.72	1.56	0.721	0.683	0.676	1.80	2.85	6.68	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.47
MAXIMUM DAILY, 111 ON MAR 13
MINIMUM DAILY, 0.676 ON SEP 03
MAXIMUM INSTANTANEOUS,
123 AT 12:29 EST ON MAR 13

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 54 57 N
LONG 081 15 50 W
DRAINAGE AREA, 528 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	39 800	JUL	4 210
FEB	27 500	AUG	2 550
MAR	55 600	SEP	2 620
APR	21 700	OCT	29 200
MAY	14 800	NOV	45 200
JUN	5 900	DEC	49 700

TOTAL DISCHARGE, 299 000 dam³

MAITLAND RIVER AT BENMILLER - STATION NO. 02FE015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.3B	53.0B	28.5B	47.9	15.8	11.3	25.4	8.98	4.25	32.0E	24.7	126	1
2	20.7B	54.0B	29.0B	51.8	13.6	10.1	20.0	8.03	4.00	43.0E	24.4	90.9	2
3	23.8B	62.0B	31.5B	64.2	13.3	11.5	15.3	8.40	3.54	31.0E	21.8	73.3	3
4	45.6B	48.0B	28.0B	74.7	11.6	11.8	10.7	6.57	3.18	34.0E	20.5	71.9	4
5	65.0B	38.0B	25.0B	63.6	14.5	12.1	10.4	4.94	3.14	40.7A	29.1	79.7	5
6	86.7B	33.0B	22.0B	51.8	15.6	10.7	9.24	4.78	3.60	52.8	129	78.0	6
7	94.2B	31.0B	20.0B	41.8	15.2	9.95	8.35	4.75	4.38	50.9	214	68.7	7
8	68.6B	34.2B	19.0B	36.0	14.0	9.19	8.01	4.21	5.30	36.1	206	61.6	8
9	50.1B	78.9	22.5B	32.0	12.8	8.61	25.0	3.87	5.31	50.5	144	56.8	9
10	37.8B	164	36.8	31.4	12.5	8.22	27.9	3.64	5.31	108	106	58.3A	10
11	32.3B	152 B	71.1	38.4	11.4	7.77	28.2	3.42	5.24	176	87.1	62.1A	11
12	28.4B	99.0B	170	44.0	11.6	7.30	17.9	3.50	5.19	185	74.8	61.4	12
13	25.4B	66.7B	341	41.4	11.7	6.75	11.6	4.94	4.69	153	64.8	72.7A	13
14	21.9B	56.1B	369	34.4	11.6	28.8	9.34	5.49	4.90	110	57.2	93.6	14
15	21.1B	44.0B	264	36.9	10.9	31.9	9.23	4.46	8.80	85.8	56.4	85.6	15
16	22.4B	37.0B	172	43.8	9.93	20.7	9.04	4.57	9.47	66.8	63.9	66.0	16
17	33.4B	33.5B	124	50.8	16.9	15.1	8.10	4.66	9.37	66.3	68.8	57.5	17
18	77.0B	30.5B	102	54.2	57.8	11.1	7.48	4.30	9.47	95.2	60.4	59.9A	18
19	216 B	28.0B	79.5	52.1	66.0	8.98	7.09	3.74	8.99	141	49.9	82.1A	19
20	205 B	27.0B	62.1	45.2	49.9	7.70	7.20E	3.35	8.16	150	42.7	90.9	20
21	154	26.0B	51.8	49.4	76.8	7.11	7.79E	3.23	7.28	116	38.8	71.1	21
22	113	30.0B	48.4	51.3	88.8	6.70	6.83E	3.49	6.97	81.4	58.5	68.0	22
23	80.0B	63.1	84.7	46.9	61.8	8.24	6.43E	3.78	6.24	60.1	107 A	90.7A	23
24	69.1	102 B	125	37.9	41.2	11.0	5.40A	3.82A	12.5	49.1	132	106	24
25	70.0B	80.9	91.7	32.9	29.2	10.9	5.18	2.82A	9.16	40.9	115	82.0B	25
26	96.0B	44.0B	64.7	29.1	24.9	19.0	4.68	2.68	7.66A	35.3	105	53.0B	26
27	112 B	37.5B	53.0	26.0	21.5	16.0	4.27	2.78	8.60E	30.8	114	41.0B	27
28	105 B	33.0B	44.4	22.9	18.8	12.3	4.03	8.59	7.40E	28.6	208 A	42.3B	28
29	116 B		40.3	20.6	16.0	18.9	3.93	6.22	8.50E	28.8	260	102 B	29
30	96.0B		38.0	18.1	13.0	28.1	4.65	4.73	13.5 E	30.7	198	358	30
31	66.0B		41.0		11.3		8.40	4.23		26.8		405	31
TOTAL	2 268.0	1 586.4	2 700.0	1 271.5	799.93	387.82	337.87	146.97	206.10	2 236.6	2 881.8	2 916.1	TOTAL
MEAN	73.2	56.7	87.1	42.4	25.8	12.9	10.9	4.74	6.87	72.1	96.1	94.1	MEAN
MAX	216	164	369	74.7	88.8	31.9	28.2	8.98	13.5	185	260	405	MAX
MIN	15.3	26.0	19.0	18.1	9.93	6.70	3.93	2.68	3.14	26.8	20.5	41.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 48.6
MAXIMUM DAILY, 405 ON DEC 31
MINIMUM DAILY, 2.68 ON AUG 26
MAXIMUM INSTANTANEOUS,
446 AT 02:56 EST ON DEC 31

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 43 02 N
LONG 081 37 37 W
DRAINAGE AREA, 2 510 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	196 000	JUL	29 200
FEB	137 000	AUG	12 700
MAR	233 000	SEP	17 800
APR	110 000	OCT	193 000
MAY	69 100	NOV	249 000
JUN	33 500	DEC	252 000

TOTAL DISCHARGE, 1 530 000 dam³

MAITLAND RIVER BELOW WINGHAM - STATION NO. 02FE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.80B	31.2	16.0B	32.6	7.35	5.65	12.4	4.20E	1.96	12.5	12.4 E	58.0E	1
2	8.49B	35.8	17.7B	34.3	7.94	6.00	8.41	4.56E	1.72	22.0	10.1 E	44.2E	2
3	10.2 B	33.7B	22.3B	42.6	6.23	7.24	5.24	3.10E	1.54	15.4	9.50E	36.8E	3
4	17.6 B	25.5B	17.1B	43.2	6.39	7.68	4.83	2.60E	1.45	12.8	9.20E	41.3E	4
5	32.2 B	20.7B	13.6B	35.4	8.07	6.86	4.25E	2.28	1.56	25.8	17.0 E	50.6E	5
6	39.2 B	17.8B	12.0B	28.6	9.09	6.31	3.75E	2.09	1.63	38.3	127 E	42.5E	6
7	28.6 B	16.6B	10.9B	23.7	8.99	5.59	3.12	1.87	2.04	26.8	168 E	37.0E	7
8	23.6 B	19.8B	10.4B	20.7	7.73	5.06	3.22	1.78	2.54	17.6	110 E	32.9E	8
9	19.4 B	65.9	13.4B	18.5	6.75	4.84	3.11	1.63	2.41	24.3	64.9 E	30.2E	9
10	16.5 B	127	25.7B	18.5	6.27	4.58	13.3	1.53	2.59	96.6	48.5 E	32.5E	10
11	14.7 B	94.0	56.3	23.7	6.49	4.30	9.34	1.42	2.46	148	41.4 E	34.9E	11
12	13.5 B	51.8B	133	26.8	6.67	4.08	4.86	1.53	2.15	121 E	35.5 E	32.0E	12
13	11.5 B	37.4B	230	22.3	6.85	3.81	3.26	1.84	1.92	83.3E	30.5 E	48.2E	13
14	11.5 B	32.6B	223	16.9	6.43	5.33	3.17	2.17	1.82	56.8E	27.7 E	62.1E	14
15	12.8 B	25.2B	160	24.4	5.48	8.71	3.36	2.33	2.59	41.4E	32.8 E	41.8E	15
16	19.6 B	21.7B	108	28.4	4.89	7.68	3.19	2.35	3.68	31.7E	42.2 E	34.4E	16
17	31.3 B	19.2B	82.9	30.7	12.9	5.51	2.93	2.20E	4.68	34.0E	38.8 E	30.2E	17
18	136 B	16.5B	64.3	33.6	41.8	4.45	2.68	2.00E	4.21	71.0E	30.8 E	36.1E	18
19	179 B	15.4B	46.9	29.4	31.5	3.92	2.60	1.80E	3.35	105 E	24.9 E	59.1E	19
20	135 B	14.8B	37.3	25.5	31.3	3.47	2.71	1.70E	3.03	85.0E	21.3 E	48.3E	20
21	90.0 B	14.3B	31.8	27.8	61.1	3.32	2.65	1.63	2.77	49.1E	18.6 E	35.6E	21
22	63.5 B	19.4B	30.7	29.3	50.2	3.15	2.49	1.56	3.34	34.4E	36.1 E	45.9E	22
23	39.1 B	57.5	68.2	33.9	32.3	4.29	2.51	1.54	4.19	27.0E	88.3 E	81.4E	23
24	36.9 B	82.0B	83.4	21.0	19.5	4.98	2.39	1.46	2.70	22.2E	76.1 E	66.4E	24
25	43.5 B	31.7B	48.5	17.6	16.4	12.6	2.21	1.39	2.59	18.7E	62.0 E	39.3E	25
26	71.5 B	24.3B	36.6	15.7	13.0	10.8 A	2.01	1.38	3.00	15.8E	55.5 E	23.5E	26
27	64.0 B	20.1B	30.5	13.7	11.4	7.44	1.89	1.43	2.81	14.0E	70.9 E	23.2E	27
28	68.0 B	17.7B	26.1	12.1	9.83	5.60	1.71	1.87	2.73	13.3E	E	21.6E	28
29	73.2 B		23.7	10.9	7.40	9.84	1.68	2.01	2.97	15.0E	166 E	19.9E	29
30	50.6		23.8	9.21	6.35	13.7	2.30E	2.11	3.92	12.4E	161 E	69.2E	30
31	37.1		29.2		6.80		2.69E	2.23		11.3E	94.8 E	315 E	31
												268 E	
TOTAL	1 405.89	989.6	1 733.3	741.21	463.10	186.99	126.26	63.59	80.35	1 302.5	1 731.80	1 823.5	TOTAL
MEAN	45.4	35.3	55.9	24.7	14.9	6.23	4.07	2.05	2.68	42.0	57.7	58.8	MEAN
MAX	179	127	230	43.2	61.1	13.7	13.3	4.56	4.68	148	168	315	MAX
MIN	7.80	14.3	10.4	9.21	4.89	3.32	1.68	1.38	1.45	11.3	9.20	22.2	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 29.2
MAXIMUM DAILY, 315E ON DEC 30
MINIMUM DAILY, 1.38 ON AUG 26

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 53 12 N
LONG 081 19 37 W
DRAINAGE AREA, 1 630 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	121 000	JUL	10 900
FEB	85 500	AUG	5 490
MAR	150 000	SEP	6 940
APR	64 000	OCT	113 000
MAY	40 000	NOV	150 000
JUN	16 200	DEC	158 000

TOTAL DISCHARGE, 921 000 dam³

MAITLAND RIVER NEAR HARRISTON - STATION NO. 02FE011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.290B	1.60 B	0.820B	2.49	0.351	0.248	0.847	0.327	0.055	0.763	0.596	2.91	1
2	0.390B	2.34 B	0.905B	2.62	0.302	0.308	0.522	0.194	0.053	0.538	0.568	2.26	2
3	0.400B	2.04 B	1.35 B	2.96	0.282	0.406	0.364	0.141	0.051	0.302	0.520	1.94	3
4	1.02 B	1.69 B	1.14 B	2.63	0.288	0.363	0.278	0.112	0.060	1.10	0.508	3.00	4
5	2.24 B	1.26 B	0.910B	2.06	0.410	0.323	0.214	0.098	0.065	2.39	2.21	2.75	5
6	2.09 B	1.00 B	0.700B	1.59	0.429	0.297	0.178	0.095	0.068	1.49	11.4	2.39	6
7	1.44 B	0.850B	0.595B	1.27	0.370	0.288	0.147	0.083	0.075	0.683	8.45	2.08	7
8	1.08 B	1.49	0.515B	1.07	0.325	0.272	0.205	0.077	0.067	0.400	4.22	1.91	8
9	0.970B	7.64	0.795B	0.967	0.284	0.300	0.364	0.072	0.059	3.56	2.98	1.82	9
10	0.910B	7.60	2.43	1.13	0.287	0.303	0.284	0.067	0.066	6.95	2.79	2.06	10
11	0.790B	3.87 B	6.15	1.66	0.322	0.352	0.207	0.057	0.064	6.47	2.43	1.97	11
12	0.540B	2.41 B	25.7	1.46	0.273	0.354	0.154	0.086	0.059	3.99	1.93	1.83	12
13	0.520B	2.05 B	33.2	1.17	0.266	0.382	0.136	0.114	0.057	2.81	1.63	1.98	13
14	0.570B	2.10 B	21.8	1.17	0.269	0.540	0.132	0.109	0.071	1.96	1.55	2.54	14
15	0.620B	1.51 B	10.7	1.65	0.229	0.706	0.133	0.111	0.086	1.50	2.72	2.60	15
16	0.670B	1.68 B	6.93	1.75	0.251	0.586	0.133	0.089	0.087	1.07	3.54	2.05	16
17	2.15 B	1.30 B	5.39	1.92	1.01	0.482	0.127	0.081	0.081	3.35	2.80	1.80	17
18	13.7	1.04 B	3.89	1.84	1.03	0.437	0.119	0.071	0.073	5.28	1.93	2.73	18
19	9.07 B	0.900B	2.93	1.42	1.31	0.373	0.129	0.063	0.074	5.80	1.42	3.44	19
20	5.88 B	0.800B	2.32	1.31	2.99	0.331	0.130	0.066	0.074	3.50	1.15	2.50	20
21	3.93 B	0.755B	2.03	1.65	4.54	0.319	0.122	0.064	0.077	2.21	1.02	2.08	21
22	2.79 B	2.08	2.61	1.44	2.52	0.299	0.116	0.059	0.075	1.59	3.95	5.47	22
23	2.22 B	5.94 B	6.92	1.17	1.56	0.377	0.115	0.058	0.084	1.21	6.01	6.80	23
24	1.90 B	4.40 B	4.18 B	0.956	1.03	1.01	0.110	0.058	0.086	1.01	4.37	3.80B	24
25	2.30 B	2.48 B	2.92 B	0.817	0.781	0.841	0.097	0.049	0.086	0.856	3.40	2.30B	25
26	3.84	1.75 B	2.46	0.747	0.588	0.533	0.088	0.048	0.089	0.768	2.62	1.73B	26
27	3.15 B	1.05 B	1.91 B	0.609	0.476	0.368	0.080	0.070	0.086	0.703	6.12	1.44B	27
28	4.33	0.940B	1.65	0.506	0.424	0.325	0.070	0.094	0.085	0.717	12.1	1.31B	28
29	3.12 B		1.50	0.480	0.354	1.48	0.073	0.081	0.105	0.735	8.07	8.27	29
30	2.32 B		1.83	0.481	0.288	1.47	0.166	0.071	0.453	0.701	4.12	20.5	30
31	1.68 B		2.52		0.271		0.575	0.064		0.643		5.06	31
TOTAL	76.920	64.565	159.720	42.993	24.910	14.673	6.415	2.829	2.571	65.049	107.122	108.32	TOTA
MEAN	2.48	2.31	5.15	1.43	0.804	0.489	0.207	0.091	0.086	2.10	3.57	3.49	MEAN
MAX	13.7	7.64	33.2	2.96	4.54	1.48	0.847	0.327	0.453	6.95	12.1	20.5	MAX
MIN	0.290	0.755	0.535	0.480	0.229	0.248	0.070	0.048	0.051	0.302	0.508	1.31	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.85
MAXIMUM DAILY, 33.2 ON MAR 13
MINIMUM DAILY, 0.048 ON AUG 26
MAXIMUM INSTANTANEOUS,
36.3 AT 02:52 EST ON MAR 13

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 54 12 N
LONG 080 53 33 W
DRAINAGE AREA, 112 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	6 650	JUL	554
FEB	5 580	AUG	244
MAR	13 800	SEP	222
APR	3 710	OCT	5 620
MAY	2 150	NOV	9 260
JUN	1 270	DEC	9 360

TOTAL DISCHARGE, 58 400 dam³

MARIPOSA BROOK NEAR LITTLE BRITAIN - STATION NO. 02HG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.230B	1.19 B	1.22 B	2.51	1.28	0.601	0.511	0.036	0.037	0.148	0.703	1.40	1
2	0.200B	1.24 B	1.02 B	3.03	1.12	1.02	0.443	0.103	0.037	0.144	0.747	1.32	2
3	0.230B	1.09 B	0.830B	6.02	1.02	2.64	0.324	0.030	0.035	0.121	0.747	1.25	3
4	0.355B	0.985B	0.720B	7.39	0.870	2.17	0.259	0.023	0.034	0.146	0.742	1.34	4
5	0.511B	0.860B	0.635B	8.72	1.11	2.02	0.200	0.028	0.040	0.188	0.875	1.49B	5
6	0.480B	0.780B	0.570B	8.31	1.32	1.64	0.156	0.028	0.043	0.247	1.51	1.45	6
7	0.450B	0.702B	0.515B	6.19	1.35	1.25	0.133	0.029	0.045	0.291	1.80	1.33	7
8	0.425B	0.932B	0.480B	4.59	1.82	0.978	0.128	0.024	0.045	0.309	1.73	1.27	8
9	0.400B	6.21 B	0.450B	3.83	1.84	0.869	0.157	0.029	0.044	0.414	1.68	1.23	9
10	0.375B	9.60 B	0.587B	5.10	1.84	0.909	0.150	0.035	0.050	0.729	1.60	1.21B	10
11	0.355B	5.12 B	3.67 B	9.33	1.99	0.942	0.132	0.040	0.056	0.989	1.46	1.20B	11
12	0.335B	3.14 B	47.8 B	8.09	1.92	0.755	0.111	0.047	0.055	1.17	1.31	1.21B	12
13	0.318B	2.52 B	52.3 B	6.05	1.72	0.607	0.091	0.077	0.054	1.84	1.21 B	1.33	13
14	0.303B	1.93 B	35.8	4.72	1.48	0.531	0.083	0.085	0.073	1.87	1.11	1.37B	14
15	0.290B	1.55 B	22.4	4.47	1.26	0.505	0.172	0.082	0.126	1.52	1.03	1.20B	15
16	0.280B	1.50 B	16.0	4.17	1.14	0.421	0.260	0.077	0.102	1.31	1.07	1.12B	16
17	0.524B	1.36 B	11.8	3.93	1.69	0.367	0.235	0.072	0.059	1.15	1.10	1.04B	17
18	5.12 B	1.17 B	8.48	3.47	2.72	0.326	0.162	0.072	0.056	1.11	1.04	1.16	18
19	3.82 B	1.02 B	5.68	3.04	2.69	0.271	0.121	0.077	0.059	1.25	0.945	1.48	19
20	2.80 B	0.880B	4.09	2.88	3.04	0.231	0.146	0.183	0.065	1.14	0.908	1.41B	20
21	1.95 B	0.760B	3.50	3.77	4.65	0.344	0.143	0.184	0.068	0.939	0.882	1.38B	21
22	1.50 B	1.55 B	3.76	3.65	4.13	0.623	0.124	0.143	0.070	0.816	0.985	2.32	22
23	1.30 B	2.72 B	5.08	3.27	3.25	0.525	0.157	0.130	0.067	0.724	1.43	5.76	23
24	1.09 B	4.67 B	4.12 B	2.90	2.49	0.490	0.180	0.117	0.067	0.699	1.54	5.85B	24
25	1.28 B	4.27 B	3.24 B	2.58	2.02	0.401	0.156	0.103	0.067	0.687	1.55	5.11B	25
26	2.07 B	3.08 B	2.73 B	2.34	1.66	0.309	0.117	0.099	0.064	0.656	1.61	4.40B	26
27	2.03 B	2.23 B	2.21 B	2.16	1.36	0.271	0.094	0.094	0.063	0.722	1.58	3.60B	27
28	2.27 B	1.62 B	2.00 B	1.94	1.17	0.233	0.082	0.094	0.061	0.700	1.69	3.10B	28
29	1.91 B		1.97	1.73	1.02	0.251	0.066	0.056	0.058	0.718	1.76	4.30	29
30	1.64 B		1.94	1.52	0.845	0.408	0.058	0.028	0.160	0.724	1.54	11.2	30
31	1.41 B		2.08		0.705		0.044	0.034		0.704		8.29	31
TOTAL	36.251	64.779	247.677	131.70	56.580	22.908	5.195	2.259	1.860	24.175	37.884	81.12	TOT
MEAN	1.17	2.31	7.99	4.39	1.83	0.764	0.168	0.073	0.062	0.780	1.26	2.62	MEA
MAX	5.12	9.60	52.3	9.33	4.65	2.64	0.511	0.184	0.160	1.87	1.80	11.2	MAX
MIN	0.200	0.702	0.450	1.52	0.705	0.231	0.044	0.023	0.034	0.121	0.703	1.04	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.95
MAXIMUM DAILY, 52.3B ON MAR 13
MINIMUM DAILY, 0.023 ON AUG 04
MAXIMUM INSTANTANEOUS,
68.1B AT 09:52 EST ON MAR 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 17 20 N
LONG 078 50 30 W
DRAINAGE AREA, 189 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 130	JUL	449
FEB	5 600	AUG	195
MAR	21 400	SEP	161
APR	11 400	OCT	2 090
MAY	4 990	NOV	3 270
JUN	1 980	DEC	7 010

TOTAL DISCHARGE, 61 600 dam³

MATABITCHUAN RIVER AT RABBIT LAKE DAM - STATION NO. 02JE021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.50	14.8	25.0	0	5.40	14.0	9.50	6.00	0	0.200	13.8	19.2	1
2	4.30	21.4	31.8	0	7.00	13.5	9.80	5.80	0	0.300	13.8	20.1	2
3	4.30	26.8	28.6	0	8.50	13.3	9.80	5.60	0	0.300	13.5	20.7	3
4	4.30	25.0	25.8	0	6.10	10.4	10.3	5.40	0	0.300	13.3	21.6	4
5	4.30	23.0	23.6	0	0	6.90	10.3	5.60	0	0.600	13.0	29.7	5
6	4.20	21.8	21.4	0	0	6.70	10.0	5.60	0	0.600	13.3	45.2	6
7	4.20	20.4	19.8	0	0.100	4.60	10.0	5.20	0	0.600	13.3	43.0	7
8	4.20	19.5	18.2	0	0.400	2.30	10.0	5.20	0	0.600	13.3	41.3	8
9	4.20	18.1	16.8	0	0.800	2.40	10.0	5.20	0	0.700	13.0	39.2	9
10	4.20	16.9	15.5	0	1.20	2.50	10.0	4.80	0	0.700	12.8	37.2	10
11	4.00	16.1	14.4	0	1.70	2.50	9.50	4.80	0	9.50	12.8	35.0	11
12	4.00	15.0	13.4	0	2.30	2.70	9.50	4.60	0	19.9	12.3	33.8	12
13	4.00	14.4	13.0	0	2.90	2.80	9.00	4.40	0	19.1	12.1	32.6	13
14	3.70	19.6	12.4	0	3.50	3.00	8.80	4.20	0	18.6	11.9	30.7	14
15	3.90	26.6	12.2	0	4.20	3.10	8.80	4.20	0	18.1	11.9	29.4	15
16	3.90	24.4	12.0	0	5.00	3.00	8.50	4.10	0	17.8	11.6	28.3	16
17	3.90	22.5	12.2	0	12.0	3.00	8.00	3.90	0	13.8	11.6	27.3	17
18	4.20	20.5	12.4	0	27.5	3.10	8.30	3.90	0	11.2	11.4	26.0	18
19	13.2	18.9	12.8	0	42.7	2.40	8.00	3.50	0	12.1	11.4	23.1	19
20	24.5	22.8	7.60	0	44.1	1.30	7.60	3.20	0	12.1	11.6	20.1	20
21	23.0	28.2	0	0	44.8	1.40	0	2.60	0	12.5	11.4	19.8	21
22	21.8	26.3	0	0	44.8	1.70	7.10	0.900	0	13.5	11.9	19.4	22
23	20.7	24.3	0	0	44.4	1.70	6.90	0.100	0	13.5	11.6	18.9	23
24	19.7	22.7	0	0	43.4	2.30	6.90	0.100	0	14.0	12.1	18.0	24
25	19.0	21.4	0	0	42.3	2.60	6.90	0.100	0.100	14.3	12.1	17.3	25
26	18.4	20.3	0	0	40.9	2.90	6.90	0	0.100	14.3	12.3	16.9	26
27	17.6	19.4	0	0	39.2	3.40	6.70	0	0.100	14.0	12.5	16.2	27
28	17.2	18.7	0	0.200	29.0	5.60	6.40	0	0.100	14.0	13.8	15.7	28
29	16.5		0	1.50	14.5	8.50	6.20	0	0.100	14.0	15.4	15.5	29
30	15.8		0	3.40	14.5	9.00	6.00	0	0.100	14.0	17.5	15.1	30
31	15.3		0		14.3		6.00	0		14.0		14.5	31
TOTAL	317.00	589.8	348.90	5.100	547.500	142.60	251.70	99.000	0.600	309.200	382.3	790.8	TOTAL
MEAN	10.2	21.1	11.3	0.170	17.7	4.75	8.12	3.19	0.020	9.97	12.7	25.5	MEAN
MAX	24.5	28.2	31.8	3.40	44.8	14.0	10.3	6.00	0.100	19.9	17.5	45.2	MAX
MIN	3.70	14.4	0	0	0	1.30	0	0	0	0.200	11.4	14.5	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.4
MAXIMUM DAILY, 45.2 ON DEC 06
MINIMUM DAILY, 0 ON MAR 21

DATA CONTRIBUTED BY -
ONTARIO HYDRO

TYPE OF GAUGE - MANUAL
LOCATION - LAT 47 01 44 N
LONG 079 35 14 W
DRAINAGE AREA, 749 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	27 400	JUL	21 700
FEB	51 000	AUG	8 550
MAR	30 100	SEP	51.8
APR	441	OCT	26 700
MAY	47 300	NOV	33 000
JUN	12 300	DEC	68 300

TOTAL DISCHARGE, 327 000 dam³

MATCHEDASH BAY ABOVE HWY 69 - STATION NO. 02ED021

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.105	2.073	2.121	---	2.246	2.282	2.439	2.414	2.375	2.364	2.214	2.398	1
2	2.136	1.992	2.165	---	2.223	2.253	2.389	2.398	2.405	2.407	2.282	2.386	2
3	2.067	1.971A	2.074	---	2.133	2.313	2.387	2.378	2.312	2.208	2.280	2.021A	3
4	2.087	2.034	2.017	---	2.103	2.430	2.404	2.370	2.336	2.395	2.311	2.202	4
5	2.077	2.064	1.980	---	2.204	2.309	2.436	2.420	2.371	2.420	2.064A	2.366	5
6	2.080	2.081	1.993	---	2.222	2.292	2.408	2.392	2.347	2.338	2.381	2.466	6
7	2.129	2.054	1.987	---	2.125	2.340	2.357	2.391	2.357	2.274	2.354	2.353	7
8	2.054	2.066	---	---	2.075	2.231	2.351	2.394	2.272	2.204	2.319	2.357	8
9	2.029	2.068	---	---	2.164	2.315	2.453	2.391	2.301	2.164	2.260	2.362	9
10	2.044	2.181	---	---	2.106	2.382	2.465	2.393	2.375	2.059	2.408	2.446	10
11	2.109	2.080	---	---	2.402	2.317	2.382	2.391	2.302	2.271	2.572	2.220	11
12	2.103	2.032	---	---	2.204	2.258	2.341	2.343	2.331	2.282	2.609	2.135	12
13	2.100	2.069	---	---	2.204	2.283	2.350	2.335	2.294	2.288	2.412	2.505	13
14	1.981A	2.053	---	---	2.191	2.335	2.318	2.388	2.342	2.258	2.252	2.282	14
15	2.008	1.966A	---	---	2.186	2.350	2.357	2.412	2.488	2.409	2.357	2.198	15
16	2.021	1.983A	---	---	2.056	2.306	2.410	2.358	2.318	2.336	2.320	2.259	16
17	2.004A	2.053	---	---	2.251	2.269	2.396	2.393	2.354	2.257	2.308	2.268	17
18	2.167	2.038	---	---	2.511	2.389	2.460	2.362	2.330	2.370	2.239	2.264	18
19	2.114	2.250	---	---	2.343	2.426	2.419	2.392	2.326	2.532	2.241	2.290	19
20	2.052	2.101	---	---	2.150	2.298	2.440	2.230	2.373	2.226	2.252	2.105	20
21	1.970A	2.120	---	---	2.262	2.318	2.455	2.284	2.268	2.284	2.114	2.202	21
22	2.101	2.066	---	---	2.291	2.315	2.405	2.300	2.426	2.352	2.281	2.286	22
23	2.050A	2.045	---	---	2.289	2.293	2.427	2.309	2.478	2.291	2.343	2.359	23
24	2.052A	1.993A	---	---	2.272	2.450	2.424	2.317	2.431	2.308	2.433	2.387	24
25	2.008A	2.054	---	---	2.256	2.369	2.406	2.323	2.378	2.318	2.501	2.428	25
26	2.166	2.052	---	---	2.262	2.376	2.392	2.346	2.346	2.286	2.222	2.529	26
27	2.059	2.166	---	2.103A	2.296	2.413	2.373	2.394	2.323	2.301	2.182	2.303	27
28	2.254	2.104	---	2.079	2.289	2.330	2.360	2.382	2.311	2.487	2.407	2.181	28
29	2.080		---	2.118	2.245	2.338	2.356	2.440	2.249	2.285	2.530	2.281	29
30	2.070		---	2.119	2.339	2.397	2.408	2.371	2.316	2.277	2.382	2.304	30
31	2.090		---		2.338		2.435	2.365		2.228		2.269	31
MEAN	2.080	2.065	---	---	2.233	2.333	2.403	2.361	2.348	2.306	2.328	2.306	MEAN
MAX	2.254	2.250	---	---	2.511	2.450	2.484	2.440	2.488	2.532	2.609	2.529	MAX
MIN	1.970	1.966	---	---	2.056	2.231	2.318	2.192	2.249	2.059	2.064	2.021	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 2.609 ON NOV 12
MINIMUM DAILY, 1.966A ON FEB 15
MAXIMUM INSTANTANEOUS
2.939 AT 18:50 EST ON NOV 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 45 29 N
LONG 079 41 55 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 174.057 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

MATCHEDASH BAY BELOW HWY 69 - STATION NO. 02ED020

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.111	2.079	2.124	2.078	2.252	2.284	2.445	2.422	2.381	2.374	2.218	2.398	1
2	2.162	1.997	2.170	2.033	2.228	2.255	2.395	2.406	2.412	2.397	2.285	2.386	2
3	2.071	1.964	2.075	2.107	2.137	2.319	2.393	2.388	2.316	2.210	2.282	1.926A	3
4	2.095	2.043	2.019	2.250	2.107	2.433	2.493	2.378	2.342	2.401	2.314	2.213	4
5	2.079	2.073	1.982	2.287	2.207	2.312	2.441	2.430	2.375	2.414	2.053	2.370	5
6	2.082	2.085	1.996	2.233	2.227	2.296	2.417	2.397	2.350	2.344	2.387	2.470	6
7	2.131	2.062	1.988	2.213	2.175	2.339	2.362	2.400	2.360	2.276	2.354	2.359	7
8	2.055	2.076	1.966	2.174	2.078	2.230	2.359	2.398	2.276	2.207	2.316	2.358	8
9	2.031	2.070	1.972	2.105	2.160	2.322	2.459	2.397	2.310	2.165	2.262	2.368	9
10	2.050	2.182	2.021	2.132	2.114	2.383	2.469	2.397	2.378	2.062	2.409	2.444	10
11	2.122	2.081	1.984	2.231	2.400	2.319	2.389	2.398	2.306	2.277	2.574	2.221	11
12	2.184	2.034	2.000	2.224	2.206	2.259	2.345	2.349	2.335	2.588	2.596	2.141	12
13	2.100	2.076	2.094	2.156	2.207	2.286	2.357	2.338	2.299	2.293	2.408	2.502	13
14	1.969	2.055	2.100	2.111	2.197	2.339	2.322	2.397	2.352	2.265	2.256	2.284	14
15	2.009	1.937A	2.093	2.217	2.190	2.350	2.363	2.417	2.488	2.411	2.360	2.199	15
16	2.021	1.954A	2.125	2.161	2.060	2.307	2.417	2.366	2.325	2.335	2.322	2.265	16
17	1.994	2.059	2.142	2.369	2.263	2.269	2.407	2.400	2.358	2.262	2.310	2.270	17
18	2.162	2.049	2.197	2.237	2.511	2.399	2.474	2.365	2.334	2.383	2.243	2.268	18
19	2.114	2.259	2.151	2.165	2.336	2.428	2.424	2.201	2.332	2.535	2.244	2.293	19
20	2.049	2.101	2.151	2.162	2.153	2.300	2.451	2.237	2.376	2.232	2.255	2.107	20
21	1.945A	2.119	2.116	2.177	2.266	2.323	2.464	2.290	2.274	2.292	2.118	2.207	21
22	2.102	2.068	2.091	2.165	2.294	2.318	2.411	2.306	2.433	2.353	2.284	2.287	22
23	2.051	2.047	2.277	2.139	2.252	2.304	2.435	2.316	2.480	2.299	2.344	2.383	23
24	2.024A	1.979	2.167	2.103	2.277	2.456	2.432	2.326	2.435	2.314	2.427	2.430	24
25	1.986A	2.057	2.200	2.162	2.263	2.377	2.414	2.329	2.378	2.326	2.533	2.432	25
26	2.168	2.052	2.210	2.160	2.267	2.383	2.399	2.353	2.351	2.294	2.211	2.530	26
27	2.062	2.164	2.138	2.146	2.301	2.418	2.380	2.403	2.328	2.307	2.190	2.302	27
28	2.254	2.104	2.116	2.083	2.290	2.333	2.369	2.397	2.316	2.499	2.414	2.186	28
29	2.083		2.023	2.123	2.251	2.345	2.363	2.444	2.253	2.290	2.527	2.281	29
30	2.075		2.048	2.124	2.343	2.399	2.416	2.378	2.320	2.285	2.384	2.299	30
31	2.094		2.108		2.344		2.446	2.372		2.231		2.267	31
MEAN	2.079	2.065	2.092	2.168	2.237	2.336	2.410	2.368	2.352	2.310	2.329	2.305	MEAN
MAX	2.254	2.259	2.277	2.369	2.511	2.458	2.493	2.444	2.488	2.535	2.596	2.530	MAX
MIN	1.945	1.937	1.966	2.033	2.060	2.230	2.322	2.201	2.253	2.062	2.053	1.926	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 2.255
MAXIMUM DAILY, 2.596 ON NOV 12
MINIMUM DAILY, 1.926A ON DEC 03
MAXIMUM INSTANTANEOUS,
3.031 AT 17:49 EST ON NOV 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 45 32 N
LONG 079 42 03 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 174.057 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

MATTAGAMI RIVER AT LITTLE LONG RAPIDS - STATION NO. 04LG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	58.8	162	153	361	3 330	632	579	375	87.5	432	935	226	1
2	150	158	173	411	2 940	663	579	206	106	462	981	372	2
3	201	117	158	419	2 480	870	579	387	16.5	405	981	320	3
4	206	61.8	158	531	2 070	1 000	579	323	0	416	981	306	4
5	198	148	207	510	1 720	1 070	579	263	43.2	360	981	276	5
6	101	154	214	431	1 550	1 000	579	263	110	207	838	283	6
7	110	143	230	434	1 300	1 030	579	263	105	200	870	276	7
8	208	151	220	424	1 180	1 020	579	263	48.9	191	784	194	8
9	225	157	220	355	1 110	870	579	263	72.6	275	780	358	9
10	204	109	148	418	1 070	780	579	229	95.1	277	579	395	10
11	217	76.9	171	445	1 070	784	579	203	93.2	254	579	342	11
12	214	147	220	401	997	870	579	248	84.0	266	579	354	12
13	108	159	220	378	1 150	869	579	264	101	263	579	318	13
14	110	162	224	384	1 400	673	579	212	106	274	562	293	14
15	184	153	224	366	1 570	577	579	233	56.3	273	537	182	15
16	223	196	267	352	1 710	579	580	230	119	254	496	221	16
17	220	139	267	390	1 660	579	582	263	275	238	497	264	17
18	197	112	267	389	1 730	579	525	208	289	289	494	311	18
19	229	158	370	392	2 310	579	494	204	289	705	432	305	19
20	52.0	162	516	403	2 500	788	474	188	286	1 560	390	262	20
21	55.7	164	522	404	2 450	733	257	216	289	1 470	401	223	21
22	205	159	519	558	2 110	733	251	213	289	1 610	381	206	22
23	223	158	526	569	1 970	733	358	202	472	1 800	373	202	23
24	162	140	530	570	1 760	733	288	177	486	1 740	404	195	24
25	158	154	530	1 780	1 630	593	281	87.9	527	1 590	369	202	25
26	173	168	530	2 560	1 440	579	284	124	536	1 520	444	237	26
27	62.0	157	530	3 250	1 330	579	313	174	535	1 360	403	199	27
28	59.1	180	536	3 570	1 180	556	299	180	532	1 160	385	198	28
29	156		545	3 450	1 110	579	305	172	510	1 280	417	181	29
30	148		378	3 360	974	579	289	191	502	1 160	382	201	30
31	150		307		877		354	207		991		185	31
TOTAL	4 967.6	4 105.7	10 080	28 265	51 678	22 209	14 619	7 021.9	7 061.3	23 282	17 834	8 085	TOTAL
MEAN	160	147	325	942	1 670	740	472	227	235	751	594	261	MEAN
MAX	229	196	545	3 570	3 330	1 070	582	387	536	1 000	981	395	MAX
MIN	52.0	61.8	148	352	877	556	251	87.9	0	191	369	181	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 546
MAXIMUM DAILY, 3 570 ON APR 28
MINIMUM DAILY, 0 ON SEP 04

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 50 00 15 N
LONG 082 10 00 W
DRAINAGE AREA, 34 700 km²

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	429 000	JUL	1 260 000
FEB	355 000	AUG	607 000
MAR	871 000	SEP	610 000
APR	2 440 000	OCT	2 010 000
MAY	4 460 000	NOV	1 540 000
JUN	1 920 000	DEC	699 000

TOTAL DISCHARGE, 17 200 000 dam³

DATA CONTRIBUTED BY -
ONTARIO HYDRO

MATTAGAMI RIVER AT SMOOTH ROCK FALLS - STATION NO. 04LB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	53.8	57.8	51.8	122	501	142	176	94.8	35.1	63.1	171	92.7	1
2	58.3	59.5	54.2	106	439	154	167	73.7	35.1	63.7	187	70.5	2
3	53.0	58.3	56.2	105	357	146	156	64.6	34.5	61.2	217	74.9	3
4	52.5	59.5	56.5	105	246	164	241	64.7	35.1	62.0	217	74.3	4
5	55.2	60.9	53.9	105	178	179	241	60.2	36.0	61.2	209	74.3	5
6	52.4	62.0	52.0	105	208	171	219	45.3	35.7	61.7	148	74.3	6
7	51.0	62.0	44.2	105	183	161	239	45.3	35.1	62.9	195	126	7
8	51.3	62.0	48.8	105	168	144	239	55.2	32.3	62.9	171	134	8
9	52.4	62.3	54.1	105	129	137	237	50.1	32.6	63.7	109	134	9
10	53.8	62.3	52.7	105	168	152	306	49.8	35.1	63.7	133	119	10
11	53.0	62.6	58.6	105	292	150	245	61.2	35.1	62.9	116	46.2	11
12	52.4	62.6	63.9	102	265	140	194	61.7	34.0	65.7	100	75.9	12
13	51.2	63.1	93.9	102	310	91.0	139	60.3	34.5	66.4	98.5	65.7	13
14	52.4	62.0	71.1	98.8	322	85.8	136	53.0	40.5	63.7	91.9	90.6	14
15	50.7	58.3	93.9	98.7	314	60.9	122	43.3	49.8	66.4	107	110	15
16	46.4	60.0	138	98.4	317	56.6	94.0	51.5	63.1	67.1	125	95.0	16
17	43.9	60.0	164	99.4	307	92.0	121	55.2	57.5	72.1	119	96.6	17
18	47.6	60.9	151	99.4	557	140	97.7	54.4	92.3	221	103	73.3	18
19	51.3	60.3	183	103	557	182	75.4	59.5	55.2	315	102	73.1	19
20	51.3	60.9	174	103	535	161	69.2	57.8	55.2	398	98.5	70.4	20
21	53.5	55.8	159	126	480	135	62.1	53.5	61.4	421	95.3	64.6	21
22	55.8	48.4	159	196	432	145	61.6	52.1	74.3	428	130	64.0	22
23	56.6	51.5	155	337	383	137	60.1	53.0	84.8	396	114	63.1	23
24	59.2	55.2	115	385	342	144	60.5	53.2	90.3	286	115	63.7	24
25	58.6	56.1	124	619	300	123	61.7	56.1	91.2	272	117	63.7	25
26	58.6	75.0	123	620	320	121	56.6	56.1	96.4	257	96.3	63.4	26
27	59.2	48.9	123	804	306	144	53.0	55.5	87.4	255	80.7	63.4	27
28	54.9	58.2	114	665	278	143	63.4	47.3	71.4	236	103	64.6	28
29	55.8		114	597	257	141	60.3	34.8	76.2	245	126	64.6	29
30	60.9		146	676	171	156	70.8	30.8	64.0	232	113	64.3	30
31	60.0		115		133		96.7	31.1		219		64.3	31
TOTAL	1 670.0	1 666.4	3 162.8	7 100.7	9 725	4 098.3	4 191.1	1 685.1	1 651.2	5 571.4	3 908.2	2 474.5	TOTAL
MEAN	53.9	59.5	102	237	314	137	135	54.4	55.0	180	130	79.8	MEAN
MAX	60.9	75.0	183	804	557	182	306	94.8	96.4	515	217	134	MAX
MIN	43.9	48.4	44.2	98.4	129	56.6	53.0	30.8	32.3	61.2	80.7	46.2	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MEAN, 129
MAXIMUM DAILY, 804 ON APR 27
MINIMUM DAILY, 30.8 ON AUG 30

DATA CONTRIBUTED BY -
ABITIBI - PRICE INC.

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 49 16 04 N
LONG 081 38 30 W
DRAINAGE AREA, 10 000 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	144 000	JUL	362 000
FEB	144 000	AUG	146 000
MAR	273 000	SEP	143 000
APR	614 000	OCT	481 000
MAY	840 000	NOV	338 000
JUN	354 000	DEC	214 000

TOTAL DISCHARGE, 4 050 000 dam³

MATTAGAMI RIVER NEAR TIMMINS - STATION NO. 04LA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 199C

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	60.1	66.3	76.6	94.0	158	177	139	44.1	30.2	25.0	111	83.4	1
2	60.3	76.7	80.4	93.9	151	176	138	43.2	24.8	25.7	116	79.2	2
3	55.9	80.9	77.6	92.1	146	175	115	49.5	22.6	25.3	123	80.5	3
4	43.8	78.9	76.7	90.3	123	182	140	44.7	21.2	25.0	127	94.6	4
5	48.2	79.1	78.5	89.0	82.8	183	154	41.3	19.6	25.2	125	104	5
6	52.0	86.2	78.3	87.2	77.1	175	153	40.4	19.7	25.4	123	110	6
7	53.4	90.2	77.3	85.1	78.4	155	148	38.3	24.8	24.9	119	125	7
8	54.4	93.7	77.6	82.8	81.0	153	145	31.3	21.2	24.0	97.8	119	8
9	43.9	84.2	77.4	80.7	80.5	158	153	37.0	18.4	22.8	90.7	113	9
10	42.8	68.2	79.1	78.9	85.4	139	166	58.3	21.4	39.3	88.6	104	10
11	50.7	70.3	76.6	76.6	102	162	163	57.4	26.9	52.8	87.1	102	11
12	49.1	69.1	73.2	62.0	119	158	132	55.8	32.1	57.0	84.8	106	12
13	38.5	54.3	72.8	56.7	125	148	122	54.5	31.8	58.1	98.0	104	13
14	38.4	61.7	88.1	55.6	134	143	115	52.9	32.2	56.2	109	109	14
15	42.1	61.9	129	55.6	156	135	109	51.8	32.9	55.7	109	105	15
16	47.8	61.2	129	54.5	155	128	108	51.1	32.3	55.0	103	98.0	16
17	46.2	58.2	128	53.3	156	125	103	51.2	26.8	53.4	93.9	94.4	17
18	50.0	74.2	119	51.4	192	128	76.4	50.9	23.7	58.4	80.6	90.1	18
19	53.2	76.1	114	50.8	247	127	72.3	49.7	25.2	87.4	79.8	91.6	19
20	58.9	78.6	110	55.5	266	125	70.2	48.2	23.0	134	79.0	101	20
21	67.6	80.0	107	51.0	284	113	68.6	47.0	22.5	140	78.3	107	21
22	73.6	80.4	106	67.9	283	108	67.2	44.8	24.5	140	80.7	104	22
23	71.1	76.7	108	82.2	279	108	66.0	42.9	26.9	137	81.8	93.2	23
24	66.1	55.2	112	99.6	271	112	64.6	53.7	27.4	130	81.5	87.3	24
25	65.4	49.3	106	139	272	116	64.1	53.8	25.5	124	82.0	86.9	25
26	64.4	51.7	113	175	276	121	61.9	45.1	27.5	119	82.8	87.8	26
27	63.2	82.5	119	188	272	125	62.1	42.3	25.4	116	89.7	89.8	27
28	61.3	76.3	107	218	264	126	63.4	42.3	23.8	117	85.7	91.1	28
29	61.3		104	217	250	131	59.9	41.5	25.3	117	83.0	90.1	29
30	61.5		97.9	195	196	137	55.7	39.8	25.3	117	82.1	85.0	30
31	59.9		94.5		181		46.9	38.3		117		81.7	31
TOTAL	1 705.7	2 022.1	2 991.6	2 888.7	5 543.2	4 249	3 222.3	1 443.1	764.9	2 304.6	2 872.9	3 017.7	TOTAL
MEAN	55.0	72.2	96.5	96.3	179	142	104	46.6	25.5	74.3	95.8	97.3	MEAN
MAX	73.6	93.7	129	218	284	183	166	58.3	32.9	140	127	125	MAX
MIN	38.4	49.3	72.8	50.8	77.1	108	46.9	31.3	18.4	22.8	78.3	79.2	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MEAN, 90.5
MAXIMUM DAILY, 284 ON MAY 21
MINIMUM DAILY, 18.4 ON SEP 09
MAXIMUM INSTANTANEOUS,
286 AT 20:45 EST ON MAY 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 23 52 N
LONG 081 26 45 W
DRAINAGE AREA, 5 540 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	147 000	JUL	278 000
FEB	175 000	AUG	125 000
MAR	258 000	SEP	66 100
APR	250 000	OCT	199 000
MAY	479 000	NOV	248 000
JUN	367 000	DEC	261 000

TOTAL DISCHARGE, 2 850 000 dam³

MATTAWA RIVER BELOW BOUILLON LAKE - STATION NO. 02JE020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.64	12.5	8.01	28.4	57.2	22.3	22.4	37.9	3.49	14.6	12.6	92.9	1
2	6.53	12.5	7.65	27.9	40.3	18.1	21.4	33.4	3.37	15.1	12.2	83.2	2
3	6.38	12.1	7.57	28.8	26.6	17.5	18.0	23.1	3.25	17.7	12.5	74.5	3
4	6.50	11.7	7.38	28.9	25.5	15.7	9.79	6.13	3.11	24.6	13.0	67.6	4
5	6.81	11.3	7.18	29.7	24.9	5.56	9.02	3.41	2.59	24.9	13.8	58.5	5
6	6.93	10.9	7.02	29.1	23.5	2.36	9.43	2.50	2.26	23.8	15.7	36.2	6
7	7.07	10.5	6.74	28.1	20.2	1.72	9.48	2.85	2.17	22.3	16.4	33.9	7
8	7.14	10.2	6.48	27.0	12.1	1.49	9.50	2.86	2.05	21.2	16.8	31.7	8
9	7.16	10.1	6.25	25.9	11.0	1.59	10.3	2.96	2.05	20.8	18.1	29.7	9
10	7.20	10.2	6.08	23.2	11.3	1.63	12.0	4.57	2.08	21.6	21.2	28.2	10
11	7.21	10.2	6.04	11.6	13.4	1.58	11.3	8.60	2.21	25.3	21.1	26.4	11
12	7.30	10.5	6.14	11.5	21.4	1.54	8.67	8.86	1.75	25.6	20.6	24.8	12
13	7.30	10.3	6.70	13.3	22.5	2.04	7.37	7.70	1.31	41.3	19.6	23.7	13
14	7.27	10.3	8.33	15.3	21.9	3.80	5.26	5.32	1.35	38.6	19.0	22.6	14
15	7.13	10.2	13.1	17.5	20.9	5.54	4.73	4.74	12.9	35.9	22.0	21.4	15
16	7.05	10.0	23.1	20.2	19.7	8.74	4.75	4.68	48.8	34.3	23.5	20.5	16
17	7.35	10.1	35.4	23.2	19.6	8.92	4.70	4.52	40.2	33.6	29.1	19.6	17
18	8.33	9.82	46.4	25.5	41.1	10.4	4.61	4.80	24.3	35.6	33.3	18.9	18
19	9.10	9.57	52.6	28.9	83.5	14.2	4.54	4.94	18.8	40.7	33.9	18.0	19
20	9.85	9.33	63.2	37.4	94.1	13.8	4.58	4.63	8.80	43.1	32.6	17.4	20
21	10.8	8.99	58.5	42.1	86.4	13.1	4.57	4.41	6.82	41.8	30.6	16.6	21
22	11.6	8.78	53.8	46.9	77.3	12.1	4.58	4.26	5.87	41.4	36.5	16.1	22
23	11.9	8.85	51.5	55.6	62.1	10.1	4.48	4.12	6.10	46.0	44.2	15.6	23
24	11.1	8.75	48.3	67.8	36.2	10.8	4.24	3.99	7.50	43.8	48.1	15.4	24
25	12.2	8.63	44.8	72.3	35.4	15.2	2.85	3.87	8.99	41.6	48.4	15.1	25
26	12.6	8.42	41.3	80.4	35.4	23.8	1.87	3.75	12.2	36.9	46.5	14.8	26
27	12.7	8.21	37.5	88.2	34.5	23.9	1.65	3.63	17.2	28.9	50.0	14.5	27
28	12.9	8.10	34.5	93.0	31.8	22.9	1.62	3.50	17.0	27.9	72.0	14.1	28
29	13.0		32.1	76.1	25.7	22.1	1.79	3.76	15.8	25.7	87.7	13.9	29
30	12.9		30.6	68.1	24.7	23.2	2.33	3.78	15.0	15.9	93.0	13.8	30
31	12.8		29.4		23.9		9.33	3.60		14.3		13.7	31
TOTAL	281.75	280.75	793.67	1 161.8	1 084.1	336.01	231.14	221.17	299.32	934.8	964.0	913.3	TOTAL
MEAN	9.09	10.0	25.6	38.7	35.0	11.2	7.46	7.13	9.98	30.2	32.1	29.5	MEAN
MAX	13.0	12.5	63.2	88.2	94.1	23.9	22.4	37.9	48.8	46.0	93.0	92.9	MAX
MIN	6.38	8.10	6.04	11.5	11.0	1.49	1.62	1.85	1.31	14.3	12.2	13.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 20.5
MAXIMUM DAILY, 94.1 ON MAY 20
MINIMUM DAILY, 1.31 ON SEP 13
MAXIMUM INSTANTANEOUS,
96.9 AT 00:22 EST ON DEC 01

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 17 56 N
LONG 078 54 26 W
DRAINAGE AREA, 909 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	24 300	JUL	20 000
FEB	24 300	AUG	19 100
MAR	68 600	SEP	25 900
APR	100 000	OCT	80 800
MAY	93 700	NOV	83 300
JUN	29 000	DEC	78 900

TOTAL DISCHARGE, 648 000 dam³

MATTAWISHKWIA RIVER AT HEARST - STATION NO. 04LK001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.34 B	0.780B	0.550B	6.06B	170	18.3	22.9	4.24	2.46	14.1	28.1	12.0 B	1
2	1.32 B	0.770B	0.545B	6.80B	136	16.0	22.8	3.84	2.14	12.7	29.3	10.9 B	2
3	1.29 B	0.760B	0.540B	7.40B	112	16.9	23.1	3.55	1.98	11.8	35.3	9.80B	3
4	1.27 B	0.755B	0.535B	7.45B	94.9	25.1	64.6	3.17	1.75	11.7	38.6	9.00B	4
5	1.24 B	0.745B	0.525B	7.20B	82.1	32.3	61.1	2.93	1.56	11.0	37.8	8.05B	5
6	1.22 B	0.740B	0.520B	6.85B	70.8	33.4	49.9	3.31	1.38	11.0	34.4	7.30B	6
7	1.20 B	0.730B	0.520B	6.60B	62.1	33.9	40.0	4.88	1.21	11.7	29.9	6.50B	7
8	1.17 B	0.720B	0.525B	6.35B	55.8	33.1	35.3	6.46	1.08	11.8	24.7	5.95B	8
9	1.14 B	0.715B	0.535B	6.10B	54.2	34.8	42.5	7.32	1.05	11.2	22.4	5.50B	9
10	1.12 B	0.705B	0.540B	5.90B	50.9	40.3	43.0	10.6	1.02	10.4	19.8 B	5.10B	10
11	1.10 B	0.700B	0.570B	5.75B	46.6	41.0	34.9	14.4	0.938	10.8	17.7 B	4.80B	11
12	1.08 B	0.690B	0.650B	5.60B	50.0	36.9	26.8	14.0	1.11	11.6	16.6 B	4.50B	12
13	1.06 B	0.680B	0.800B	5.65B	54.2	31.9	21.2	12.5	0.979	12.1	16.7 B	4.30B	13
14	1.04 B	0.670B	0.950B	5.70B	55.1	28.7	16.9	10.9	1.30	12.5	15.0 B	4.05B	14
15	1.02 B	0.660B	1.15 B	5.75B	58.6	26.2	13.8	9.49	1.33	13.8	13.7	3.90B	15
16	1.00 B	0.650B	1.40 B	5.65B	58.1	23.2	11.4	8.23	1.48	14.2	12.8 B	3.75B	16
17	0.990B	0.640B	2.70 B	5.50B	59.4	20.5	9.74	7.86	1.62	13.6	11.9 B	3.55B	17
18	0.970B	0.635B	6.60 B	5.40B	66.3	19.8	8.60	8.17	1.76	14.8	10.9 B	3.40B	18
19	0.950B	0.630B	9.00 B	5.60B	76.2	19.2	7.72	8.73	2.12	15.8	10.1	3.34B	19
20	0.930B	0.620B	11.0 B	7.60B	73.9	17.6	6.95	8.61	2.30	15.8	9.63	3.18B	20
21	0.910B	0.615B	10.3 B	11.2 B	66.8	16.0	6.29	7.83	3.06	18.1	9.85	3.05B	21
22	0.900B	0.605B	9.20 B	18.0 B	58.9	16.3	5.60	6.72	7.16	24.4	12.1	2.95B	22
23	0.880B	0.600B	8.00 B	29.5 B	52.0	17.5	5.00	5.80	19.6	28.0	14.4	2.85B	23
24	0.865B	0.590B	6.70 B	60.7 B	46.3	18.0	4.37	5.01	27.5	31.6	14.6 B	2.75B	24
25	0.850B	0.585B	6.10 B	105 B	41.3	17.2	3.73	4.45	27.9	32.3	14.0 B	2.65B	25
26	0.840B	0.575B	5.40 B	150 B	36.3	16.8	3.35	4.25	26.0	30.1	12.8 B	2.55B	26
27	0.830B	0.570B	5.02 B	286	32.0	17.5	3.04	3.99	23.4	28.8	12.1 B	2.47B	27
28	0.820B	0.565B	4.85 B	251	29.6	16.7	2.79	3.62	20.6	32.0	11.7 B	2.39B	28
29	0.810B		4.60 B	211	27.1	16.1	2.75	3.39	18.0	30.9	14.0 B	2.30B	29
30	0.800B		4.75 B	200	23.7	18.8	3.14	3.13	15.8	29.2	13.5 B	2.22B	30
31	0.790B		5.40 B		20.7		3.79	2.81		29.0		2.16B	31
TOTAL	31.745	18.700	110.475	1 447.31	1 921.9	720.0	619.06	204.19	219.587	566.8	566.38	147.21	TOTAL
MEAN	1.02	0.668	3.56	48.2	62.0	24.0	20.0	6.59	7.32	18.3	18.9	4.75	MEAN
MAX	1.34	0.780	11.0	286	170	41.0	64.6	14.4	27.9	32.3	38.6	12.0	MAX
MIN	0.790	0.565	0.520	5.40	20.7	16.0	2.75	2.81	0.938	10.4	9.63	2.16	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.0
MAXIMUM DAILY, 286 ON APR 27
MINIMUM DAILY, 0.520B ON MAR 06
MAXIMUM INSTANTANEOUS,
297 AT 13:39 EST ON APR 27

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 58 N
LONG 083 39 20 W
DRAINAGE AREA, 1 140 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 740	JUL	53 500
FEB	1 620	AUG	17 600
MAR	9 550	SEP	19 000
APR	125 000	OCT	49 000
MAY	166 000	NOV	48 900
JUN	62 200	DEC	12 700

TOTAL DISCHARGE, 568 000 dam³

MCGREGOR CREEK NEAR CHATHAM - STATION NO. 02GE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.247	1.11	1.62 B	1.92	0.540E	0.277	0.163	0.331	0.669	0.479	0.501	1.11	1
2	0.714	14.0	2.80 B	4.20	0.690E	0.263	0.143	0.160	0.424	0.413	0.481	0.904	2
3	1.00	7.31	2.00 B	4.57	0.985E	0.464	0.127	0.119	0.308	0.351	0.460	14.1	3
4	3.89	3.18	1.50 B	3.83	1.40 E	0.476	0.112	0.118	0.256	2.04	0.420	39.7	4
5	12.6	2.06	1.27 B	2.21	2.29	0.331	0.104	0.155	0.251	3.02	3.25	13.6	5
6	4.13	1.97	1.10 B	2.08	1.40 E	0.278	0.100	0.160	0.392	1.12	26.2	4.30	6
7	2.60	7.56	1.02 B	1.69	1.10 E	0.252	0.094	0.128	34.2	0.704	6.79	3.02	7
8	2.05	14.2	0.970B	1.39 E	0.710E	3.08	0.091	0.129	20.6	0.547	2.62	2.36	8
9	2.00	8.67	2.60 B	1.24 E	0.515E	3.17	0.104	0.110	2.95	4.94	1.74	1.96	9
10	5.23	4.23	7.19	1.39 E	0.470E	0.985	0.137	0.100	1.24	20.8	2.16	1.77	10
11	4.71	2.13	11.5	18.0	0.460E	0.598	0.103	0.095	0.899	24.5	1.76	1.44	11
12	2.75 B	1.49	11.6	4.24	0.610E	0.458	0.102	0.978	0.838	7.26	1.25	1.29	12
13	1.82 B	1.37	6.04	2.35	1.40 E	0.402	0.101	19.0	0.629	4.84	1.10	1.18	13
14	1.40 B	1.26	3.53	2.02	5.42	0.344	0.116	5.92	3.51	2.85	0.972	0.939	14
15	1.15 B	1.19	2.43	2.09	1.75	0.302	0.256	1.19	24.8	1.77	0.925	0.936	15
16	1.29	5.11	2.31	1.56	14.7 A	0.248	0.158	0.517	13.6	1.26	0.912	1.71	16
17	10.2	7.08	2.76	1.39 E	15.8	0.217	0.131	0.323	7.54	1.02	0.858	1.57	17
18	30.4	2.80B	1.76	1.28 E	6.49	0.200	0.135	0.266	2.16	1.11	0.718	4.06	18
19	9.22	2.25B	1.53	1.25 E	2.29	0.183	0.271	0.971	2.57	1.51	0.676	15.6 A	19
20	2.82	2.02B	1.67	1.39 E	1.62	0.171	0.319	1.28	3.45	0.967	0.640	6.70 E	20
21	1.83	1.99B	1.40	3.49	1.35	0.181	0.381	0.708	2.03	0.806	0.590	3.84 A	21
22	1.42	49.4	1.29	2.13	1.01	0.165	0.236	0.463	15.9	0.962	1.39	14.9 A	22
23	1.27	87.9	1.42	1.36	0.846	0.216	0.228	0.328	4.04	1.03	1.79	15.4 A	23
24	6.56	22.9	1.14	1.17 A	0.752	0.314	0.192	0.254	1.59	0.903	1.61	7.56 A	24
25	11.0	5.02B	0.973	1.04 E	0.659	0.258	0.170	0.216	1.07	0.802	1.17	3.20 A	25
26	8.87	3.80B	0.884	0.860E	0.592	0.205	0.133	0.189	0.790	0.706	0.868	1.94 A	26
27	2.53	2.75B	0.735	0.760E	0.526	0.182	0.115	0.168	0.599	0.642	2.26	1.75 E	27
28	2.35	2.10B	0.702	0.665E	0.425	0.178	0.106	0.228	0.516	0.608	3.52	13.2 E	28
29	1.71		0.667	0.600E	0.398	0.176	0.099	18.3	0.477	0.544	2.88	46.0 E	29
30	1.34 B		0.813	0.553E	0.354	0.171	0.118	7.18	0.462	0.508	1.42	72.7 A	30
31	1.12 B		1.02		0.308		0.438	1.43		0.506		30.0 A	31
TOTAL	140.301	266.85	78.324	72.718	67.860	14.745	5.083	61.514	148.760	89.518	72.931	328.739	TOTAL
MEAN	4.53	9.53	2.53	2.42	2.19	0.492	0.164	1.98	4.96	2.89	2.43	10.6	MEAN
MAX	30.4	87.9	11.6	18.0	15.8	3.17	0.438	19.0	34.2	24.5	26.2	72.7	MAX
MIN	0.247	1.11	0.667	0.553	0.308	0.165	0.091	0.095	0.251	0.351	0.420	0.904	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.69
MAXIMUM DAILY, 87.9 ON FEB 23
MINIMUM DAILY, 0.091 ON JUL 08
MAXIMUM INSTANTANEOUS,
117 AT 02:15 EST ON FEB 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 23 00 N
LONG 082 05 39 W
DRAINAGE AREA, 202 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	12 100	JUL	439
FEB	23 100	AUG	5 310
MAR	6 770	SEP	12 900
APR	6 280	OCT	7 730
MAY	5 860	NOV	6 300
JUN	1 270	DEC	28 400

TOTAL DISCHARGE, 116 000 dam³

MCINTYRE RIVER ABOVE THUNDER BAY - STATION NO. 02AB020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.034B	0.024B	0.020B	0.282B	3.29	0.404	1.95	0.114	0.130	0.820	0.507	0.210B	1
2	0.034B	0.024B	0.020B	0.292B	2.32	0.587	1.10	0.093	0.121	0.790	0.482	0.197B	2
3	0.033B	0.024B	0.020B	0.298B	1.81	1.18	0.722	0.110	0.116	0.265	0.508	0.181B	3
4	0.033B	0.024B	0.020B	0.307B	1.53	1.14	0.586	0.205	0.098	0.006	0.424	0.166B	4
5	0.033B	0.023B	0.020B	0.313B	1.33	0.837	0.496	0.169	0.072	0.090	0.400	0.155B	5
6	0.032B	0.023B	0.020B	0.320B	1.18	1.12	0.411	0.165	0.065	0.224	0.459	0.150B	6
7	0.032B	0.023B	0.020B	0.327B	1.03	1.05	0.576	0.130	0.061	0.334	0.372	0.144B	7
8	0.031B	0.023B	0.020B	0.336B	2.14	0.790	2.13	0.089	0.051	0.446	0.520	0.140B	8
9	0.031B	0.023B	0.020B	0.344B	2.51	0.764	2.32	0.085	0.066	0.537	0.261	0.136B	9
10	0.030B	0.023B	0.020B	0.356B	1.91	0.647	1.28	0.080	0.055	0.587	0.258	0.133B	10
11	0.030B	0.022B	0.022B	0.362B	1.46	0.488	0.744	0.081	0.064	0.625	0.239	0.129B	11
12	0.030B	0.022B	0.036B	0.376	1.16	2.65	0.483	0.102	0.067	0.492	0.218	0.127B	12
13	0.029B	0.022B	0.055B	0.464	0.952	2.87	0.401	0.089	0.085	0.307	0.220	0.126B	13
14	0.029B	0.022B	0.069B	0.555	1.10	1.67	0.478	0.068	0.168	0.365	0.243	0.124B	14
15	0.029B	0.022B	0.077B	0.708	1.39	0.935	0.545	0.058	0.243	0.363	0.254	0.123B	15
16	0.028B	0.022B	0.089B	0.787	1.97	0.647	0.615	0.056	0.492	0.448	0.250	0.121B	16
17	0.028B	0.022B	0.101B	0.892	3.39	1.17	0.570	0.057	0.400	0.616	0.236	0.120B	17
18	0.028B	0.021B	0.112B	0.992	2.73	2.57	0.330	0.066	0.245	0.899	0.235	0.118B	18
19	0.027B	0.021B	0.126B	1.35	1.92	1.94	0.316	0.069	0.218	0.691	0.229	0.116B	19
20	0.027B	0.021B	0.137B	2.36	1.47	1.36	0.285	0.069	0.192	0.799	0.226	0.115B	20
21	0.027B	0.021B	0.151B	2.69	1.26	1.23	0.222	0.037	0.265	1.63	0.749	0.113B	21
22	0.027B	0.021B	0.166B	2.52	1.01	1.07	0.216	0.035	0.406	1.91	0.973	0.111B	22
23	0.026B	0.021B	0.179B	2.69	0.810	0.814	0.209	0.039	0.452	1.56	0.940	0.110B	23
24	0.026B	0.021B	0.192B	2.87	0.668	0.577	0.254	0.033	0.581	1.32	0.798	0.109B	24
25	0.026B	0.021B	0.202B	3.32	0.677	0.431	0.238	0.069	0.683	1.03	0.376	0.108B	25
26	0.026B	0.021B	0.212B	3.88	0.605	0.972	0.182	0.191	0.806	0.967	0.296	0.106B	26
27	0.025B	0.021B	0.224B	3.60	0.608	1.49	0.162	0.281	0.916	0.783	0.282B	0.105B	27
28	0.025B	0.021B	0.235B	5.68	0.527	0.971	0.162	0.519	0.953	0.765	0.263B	0.104B	28
29	0.025B		0.250B	6.10	0.442	1.19	0.162	0.331	0.933	0.677	0.247B	0.103B	29
30	0.025B		0.263B	4.74	0.374	2.58	0.150	0.212	1.01	0.612	0.228B	0.102B	30
31	0.024B		0.272B		0.349		0.129	0.148		0.515		0.101B	31
TOTAL	0.890	0.619	3.367	50.111	43.922	38.144	18.524	3.850	10.014	21.473	11.593	4.003	TOTAL
MEAN	0.029	0.022	0.109	1.67	1.42	1.20	0.598	0.124	0.334	0.693	0.386	0.129	MEAN
MAX	0.034	0.024	0.272	6.10	3.39	2.87	2.32	0.519	1.01	1.91	0.973	0.210	MAX
MIN	0.024	0.021	0.020	0.282	0.349	0.404	0.129	0.033	0.051	0.006	0.218	0.101	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.560
MAXIMUM DAILY, 6.10 ON APR 29
MINIMUM DAILY, 0.006 ON OCT 04
MAXIMUM INSTANTANEOUS,
6.66 AT 01:49 EST ON APR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 28 57 N
LONG 089 19 31 W
DRAINAGE AREA, 90 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	76.9	JUL	1 600
FEB	53.5	AUG	333
MAR	291	SEP	865
APR	4 330	OCT	1 860
MAY	3 790	NOV	1 000
JUN	3 120	DEC	346

TOTAL DISCHARGE, 17 700 dam³

MCKENZIE CREEK NEAR CALEDONIA - STATION NO. 02GB010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.780B	2.50B	1.85 B	1.70	0.808	0.740	0.376	0.250	0.301	0.323	0.509	0.964	1
2	1.20 B	2.70B	1.75 B	2.19	0.752	0.702	0.362	0.246	0.327	0.410	0.487	0.852	2
3	1.61 B	2.85B	1.55 B	3.30	0.714	0.688	0.335	0.226	0.312	0.389	0.431	0.789	3
4	1.82 B	3.10B	1.32 B	3.55	0.735	0.625	0.317	0.229	0.298	0.366	0.402	2.09	4
5	2.33 B	3.15B	1.02 B	3.58	0.762	0.627	0.300	0.232	0.295	0.338	0.462	3.22 B	5
6	2.70 B	3.13	0.940B	3.14	0.786	0.769	0.290	0.221	0.293	0.306	1.19	3.60 B	6
7	3.21 B	2.86	0.890B	2.70	0.871	0.854	0.269	0.226	0.313	0.301	2.08	3.12	7
8	3.44 B	3.42	0.900B	2.26	0.985	0.868	0.248	0.234	0.297	0.271	2.04	3.10	8
9	3.57 B	7.60	0.940B	1.87	0.988	0.780	0.369	0.236	0.294	0.290	1.84	2.78	9
10	4.28 B	10.6	1.50 B	2.08	0.840	0.688	0.336	0.248	0.289	0.367	1.95	2.51	10
11	5.44 B	11.7	4.28 B	5.07	0.829	0.638	0.520	0.240	0.329	0.403	1.92	2.28	11
12	6.14 B	9.68	10.1	4.85	0.816	0.622	0.958	0.236	0.429	0.499	1.70	1.95	12
13	4.00 B	6.16	21.3	3.87	1.58	0.581	1.42	0.272	0.474	0.706	1.38	1.73	13
14	2.60 B	4.37	21.2	3.39	2.91	0.538	1.41	0.261	0.371	0.826	1.12	1.54	14
15	2.37 B	2.90B	14.8	3.08	2.98	0.499	1.07	0.268	0.375	0.856	0.964	1.28	15
16	2.17 B	2.30B	9.99	2.71	3.60	0.462	0.793	0.287	0.336	0.850	0.858	1.17	16
17	6.00	2.20B	7.24	2.50	6.41	0.418	0.623	0.292	0.317	0.895	0.769	1.17	17
18	15.5	2.10B	5.47	2.41	7.77	0.403	0.528	0.349	0.283	0.930	0.724	1.65	18
19	16.8	2.00B	4.39	2.15	7.28	0.385	0.455	0.442	0.283	0.897	0.689	2.99	19
20	18.3	1.95B	3.66	1.92	6.04	0.390	0.416	0.426	0.296	0.848	0.640	3.20	20
21	13.6	1.90B	3.25	2.65	5.63	0.433	0.411	0.451	0.305	0.809	0.586	2.85	21
22	7.50 B	3.77	3.06	2.85	5.22	0.415	0.391	0.394	0.311	0.757	0.552	4.12	22
23	4.00 B	13.6	3.00	2.48	3.60	0.403	0.387	0.362	0.302	0.723	0.531	8.64	23
24	3.65 B	18.1	2.90	2.16	2.72	0.384	0.382	0.349	0.293	0.678	0.532	9.58	24
25	3.50 B	18.7	2.62	1.84	2.22	0.375	0.403	0.350	0.303	0.633	0.560	8.00 B	25
26	3.90 B	15.1	2.38	1.69	1.84	0.396	0.383	0.338	0.294	0.581	0.613	6.40 B	26
27	4.40 B	6.20B	2.08	1.41	1.47	0.439	0.365	0.326	0.283	0.552	0.773	5.40 B	27
28	4.00 B	2.50B	1.83	1.08	1.15	0.430	0.332	0.443	0.274	0.507	0.950	5.00 B	28
29	3.50 B		1.61	0.913	0.988	0.420	0.302	0.388	0.268	0.476	1.03	9.54	29
30	3.15 B		1.49	0.856	0.861	0.402	0.279	0.323	0.303	0.457	1.00	25.2	30
31	2.75 B		1.58		0.779		0.267	0.288		0.483		29.1	31
TOTAL	158.210	167.14	140.890	76.249	74.934	16.374	15.297	9.435	9.378	17.727	29.282	155.815	TOTAL
MEAN	5.10	5.97	4.54	2.54	2.42	0.546	0.494	0.304	0.313	0.572	0.976	5.03	MEAN
MAX	18.3	18.7	21.3	5.07	7.77	0.868	1.42	0.451	0.429	0.930	2.08	29.1	MAX
MIN	0.780	1.90	0.890	0.856	0.714	0.375	0.248	0.221	0.268	0.271	0.402	0.789	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.39
MAXIMUM DAILY, 29.1 ON DEC 31
MINIMUM DAILY, 0.221 ON AUG 06
MAXIMUM INSTANTANEOUS,
31.3 AT 09:11 EST ON DEC 31

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 02 03 N
LONG 079 57 00 W
DRAINAGE AREA, 171 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	13 700	JUL	1 320
FEB	14 400	AUG	815
MAR	12 200	SEP	810
APR	6 590	OCT	1 530
MAY	6 470	NOV	2 530
JUN	1 410	DEC	13 500

TOTAL DISCHARGE, 75 300 dam³

MCVICAR CREEK AT THUNDER BAY - STATION NO. 02AB019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.012B	0.002B	0.001B	0.266	1.33	0.244	0.919	0.096	0.187	0.117	0.266	0.140B	1
2	0.011B	0.002B	0.001B	0.208	0.978	0.560	0.599	0.084	0.133	0.103	0.250	0.125B	2
3	0.010B	0.002B	0.001B	0.220B	0.780	0.792	0.442	0.119	0.107	0.621	0.242	0.112B	3
4	0.010B	0.002B	0.001B	0.207	0.673	0.586	0.370	0.094	0.092	0.640	0.232	0.100B	4
5	0.010B	0.002B	0.001B	0.220B	0.605	0.479	0.306	0.108	0.077	0.425	0.221	0.093B	5
6	0.009B	0.002B	0.001B	0.235B	0.567	0.539	0.245	0.099	0.071	0.329	0.214	0.087B	6
7	0.009B	0.002B	0.013B	0.210B	0.513	0.498	0.376	0.070	0.056	0.265	0.207	0.081B	7
8	0.009B	0.001B	0.022B	0.195B	1.08	0.456	1.28	0.057	0.045	0.226	0.238	0.076B	8
9	0.008B	0.001B	0.032B	0.184	1.20	0.430	1.25	0.068	0.049	0.205	0.185	0.072B	9
10	0.008B	0.001B	0.036B	0.192B	0.912	0.361	0.677	0.048	0.060	0.196	0.203	0.069B	10
11	0.008B	0.001B	0.042B	0.201B	0.731	0.364	0.432	0.071	0.047	0.166	0.180	0.065B	11
12	0.007B	0.001B	0.050B	0.210B	0.605	1.99	0.343	0.054	0.064	0.243	0.181	0.063B	12
13	0.007B	0.001B	0.064B	0.225B	0.556	1.63	0.268	0.052	0.121	0.203	0.134	0.060B	13
14	0.006B	0.001B	0.075B	0.252	0.657	0.949	0.213	0.051	0.190	0.265	0.140	0.058B	14
15	0.006B	0.001B	0.085B	0.265	0.760	0.614	0.188	0.039	0.229	0.236	0.138	0.056B	15
16	0.005B	0.001B	0.092B	0.298	1.37	0.461	0.179	0.032	0.208	0.284	0.142	0.054B	16
17	0.005B	0.001B	0.096B	0.321B	1.86	0.842	0.167	0.090	0.173	0.515	0.198	0.052B	17
18	0.005B	0.001B	0.098B	0.341	1.45	1.37	0.155	0.051	0.175	0.654	0.179	0.050B	18
19	0.005B	0.001B	0.099B	0.374	1.04	0.929	0.137	0.040	0.172	0.473	0.139	0.049B	19
20	0.004B	0.001B	0.099B	0.702	0.822	0.775	0.125	0.031	0.137	0.543	0.165	0.047B	20
21	0.004B	0.001B	0.099B	0.821	0.768	0.776	0.121	0.026	0.288	0.765	0.543	0.046B	21
22	0.004B	0.001B	0.098B	0.728	0.637	0.657	0.115	0.027	0.245	0.780	0.547	0.045B	22
23	0.004B	0.001B	0.098B	0.745	0.534	0.519	0.369	0.022	0.217	0.632	0.429	0.043B	23
24	0.003B	0.001B	0.097B	0.854	0.475	0.389	0.403	0.021	0.178	0.519	0.396	0.042B	24
25	0.003B	0.001B	0.096B	1.03	0.427	0.356	0.268	0.533	0.147	0.417	0.316	0.041B	25
26	0.003B	0.001B	0.096B	1.22	0.403	0.729	0.201	0.224	0.123	0.385	0.283B	0.040B	26
27	0.003B	0.001B	0.094B	1.44	0.376	0.423	0.177	0.209	0.100	0.345	0.240B	0.040B	27
28	0.003B	0.001B	0.092B	2.53	0.334	0.551	0.183	0.296	0.091	0.315	0.210B	0.039B	28
29	0.003B		0.090B	2.13	0.342	0.767	0.158	0.232	0.097	0.317	0.180B	0.038B	29
30	0.003B		0.094B	1.83	0.254	1.43	0.148	0.167	0.077	0.291	0.160B	0.037B	30
31	0.003B		0.163		0.221		0.110	0.190		0.267		0.037B	31
TOTAL	0.190	0.035	2.026	18.654	23.260	21.466	10.924	3.301	3.956	11.742	7.158	1.957	TOTAL
MEAN	0.006	0.001	0.065	0.622	0.750	0.716	0.352	0.107	0.132	0.379	0.239	0.063	MEAN
MAX	0.012	0.002	0.163	2.53	1.86	1.99	1.28	0.533	0.288	0.780	0.547	0.140	MAX
MIN	0.003	0.001	0.001	0.184	0.221	0.244	0.110	0.021	0.045	0.103	0.134	0.037	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.287
MAXIMUM DAILY, 2.53 ON APR 28
MINIMUM DAILY, 0.001B ON FEB 08
MAXIMUM INSTANTANEOUS,
2.91 AT 22:49 EST ON APR 27

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 26 58 N
LONG 089 13 09 W
DRAINAGE AREA, 46.4 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	16.4	JUL	944
FEB	3.02	AUG	285
MAR	175	SEP	342
APR	1 610	OCT	1 010
MAY	2 010	NOV	618
JUN	1 850	DEC	169

TOTAL DISCHARGE, 9 030 dam³

MEDWAY RIVER AT LONDON - STATION NO. 02GD008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.580B	2.69	2.33	2.59	0.960	0.627	0.603	1.67	1.79	5.08	1.50	2.90	1
2	0.850B	3.69	2.21	3.23	0.848	0.506	0.431	1.12	1.31	3.43	1.53	2.40	2
3	1.48 B	3.48	3.41	2.45	0.797	0.722	0.440	0.837	1.01	2.43	1.34	2.82	3
4	3.60 B	2.89	2.19	6.00	0.897	0.671	0.337	0.714	0.865	2.80	1.27	7.92	4
5	13.8 B	2.45	1.84	4.54	1.08	0.538	0.321	0.713	0.726	3.88	6.01	7.15	5
6	13.2 B	2.29	1.46	3.23	0.979	0.527	0.260	0.613	1.23	2.88	38.1	4.85	6
7	7.64	2.24	1.62	2.64	0.907	0.456	0.202	0.576	4.05	2.19	21.9	3.71	7
8	4.96	3.21	1.24	2.21	0.763	0.823	1.01	0.486	2.79	1.84	12.1	3.17	8
9	3.61	19.0	2.54	1.91	0.724	0.503	4.87	0.434	1.78	1.27	8.06	2.95	9
10	3.20	22.2	5.81	2.61	0.737	0.510	4.20	0.460	1.35	18.7	6.50	3.99	10
11	3.36	10.6	7.20	6.00	0.694	0.469	1.77	0.897	1.13	20.3	5.46	4.99	11
12	3.05	5.69	11.7	4.88	0.714	0.448	1.15	0.847	0.889	15.0	4.13	4.15	12
13	2.20 B	3.94	17.6	3.11	1.48	0.405	0.827	4.13	0.768	15.4	3.23	10.0	13
14	2.10 B	4.47	14.5	2.66	1.33	0.554	1.33	2.79	2.02	10.4	2.80	8.50	14
15	2.05 B	3.25	9.48	3.34	1.18	0.402	1.00	1.52	13.9	6.40	2.87	4.69	15
16	2.01 B	2.72	6.50	3.48	1.76	0.300	0.890	1.13	14.6	4.19	2.81	3.91	16
17	9.50 B	2.23	5.82	3.25	3.45	0.322	0.790	0.842	7.71	3.03	2.48	3.53	17
18	35.5 B	1.96	4.52	2.57	5.73	0.374	0.649	0.686	3.90	6.52	2.11	5.45	18
19	29.8	1.81	3.19	2.15	3.80	0.324	0.765	1.09	2.89	12.9	1.94	9.86	19
20	15.7	1.47	2.65	2.18	3.42	0.318	1.51	1.57	2.55	9.68	1.77	6.57	20
21	9.48	1.43	2.39	3.45	5.19	0.323	2.64	1.41	2.22	5.93	1.64	4.69	21
22	5.90	12.4	2.48	3.82	3.75	0.406	1.97	1.09	2.04	4.13	3.40	6.81	22
23	3.93	51.6	6.71	2.81	2.55	0.962	1.54	0.920	2.11	3.21	7.17	8.49	23
24	4.18	22.1	5.94	2.25	1.96	0.867	1.35	0.744	9.31	2.66	5.22	6.67	24
25	9.01	10.1	3.46	1.86	1.60	0.979	1.09	0.600	8.09	2.27	4.12	3.88B	25
26	13.8	5.80	2.62	1.62	1.34	0.793	0.865	0.538	4.24	1.98	3.04	2.77B	26
27	8.91	4.06	2.10	1.39	1.16	0.623	0.726	0.739	2.69	1.74	3.16	2.56B	27
28	12.7	2.70	1.86	1.27	1.02	0.506	0.564	7.00	2.10	1.69	4.24	2.39B	28
29	9.68		1.70	1.16	0.895	0.474	0.557	15.4	1.74	1.64	6.04	15.4 B	29
30	5.26		2.10	1.05	0.809	0.452	1.23	6.38	2.54	1.67	3.95	57.9	30
31	3.31		2.47		0.728		2.11	2.79		1.62		23.6	31
TOTAL	244.350	212.47	141.64	88.63	53.052	16.184	37.997	60.736	104.338	181.86	169.89	238.67	TOTAL
MEAN	7.88	7.59	4.57	2.95	1.71	0.540	1.23	1.96	3.48	5.87	5.66	7.70	MEAN
MAX	35.5	51.6	17.6	6.00	5.73	0.979	4.87	15.4	14.6	20.3	38.1	57.9	MAX
MIN	0.580	1.43	1.24	1.05	0.694	0.300	0.202	0.434	0.726	1.62	1.27	2.39	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.25
MAXIMUM DAILY, 57.9 ON DEC 30
MINIMUM DAILY, 0.202 ON JUL 07
MAXIMUM INSTANTANEOUS,
70.7 AT 08:39 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 00 50 N
LONG 081 16 39 W
DRAINAGE AREA, 200 km²

B - ICE CONDITIONS

REGULATED SINCE 1970

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	21 100	JUL	3 280
FEB	18 400	AUG	5 250
MAR	12 200	SEP	9 010
APR	7 660	OCT	15 700
MAY	4 580	NOV	14 700
JUN	1 400	DEC	20 600

TOTAL DISCHARGE, 134 000 dam³

MICHIPICOTEN RIVER AT HIGH FALLS - STATION NO. 02BD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	37.3	72.8	68.7	53.4	70.2	50.6	87.6	72.5	73.8	62.8	67.8	86.9	1
2	56.5	72.9	64.1	62.9	56.3	40.4	87.8	78.0	73.2	57.7	74.0	86.8	2
3	58.9	74.0	61.8	73.8	37.9	48.0	87.5	83.6	33.3	65.3	74.0	86.8	3
4	57.1	72.3	58.1	69.1	77.6	50.9	87.0	85.7	62.1	65.3	74.0	86.9	4
5	68.2	64.0	63.9	69.0	54.8	74.0	87.6	86.3	73.7	63.8	74.0	86.7	5
6	64.9	56.2	68.8	74.0	36.4	72.9	87.6	86.6	73.9	35.6	74.1	82.2	6
7	44.6	61.6	74.6	74.2	63.1	67.3	87.5	86.3	74.1	35.9	74.1	86.9	7
8	57.6	52.7	68.8	73.4	68.8	70.4	84.4	73.3	73.9	35.5	74.1	87.1	8
9	59.6	50.1	69.2	67.0	74.2	29.6	129	85.7	74.0	63.1	78.4	85.2	9
10	66.7	65.7	41.7	67.6	77.7	28.4	113	86.8	71.2	64.0	69.5	83.7	10
11	69.7	69.2	28.5	74.3	78.9	43.4	80.7	75.7	70.7	66.3	86.8	89.3	11
12	73.2	70.0	58.0	77.3	42.4	54.3	44.1	86.7	73.9	63.9	86.9	84.0	12
13	73.4	63.3	57.8	68.4	34.6	66.9	85.9	85.8	74.0	32.3	86.9	87.7	13
14	65.4	73.9	61.3	58.1	33.8	49.4	85.9	79.8	72.2	36.2	86.7	87.7	14
15	60.4	71.0	56.3	58.6	42.5	70.7	84.7	76.7	74.0	61.5	86.7	87.7	15
16	60.9	71.7	59.3	69.2	66.8	49.9	83.9	74.8	74.1	61.6	86.6	87.8	16
17	60.1	72.8	53.8	74.1	70.7	50.4	81.8	71.7	73.2	57.8	86.9	87.8	17
18	67.3	71.6	52.7	75.7	74.0	50.6	74.3	37.0	70.5	66.5	86.9	87.7	18
19	67.2	62.0	66.6	76.6	51.6	74.6	74.1	30.9	69.6	74.0	86.9	75.2	19
20	65.3	70.8	71.0	69.8	38.1	72.8	74.2	61.8	69.3	34.5	86.3	65.9	20
21	65.8	71.2	65.8	65.4	38.7	62.4	74.2	62.0	69.5	47.6	86.9	71.6	21
22	70.0	61.6	63.9	51.1	64.0	66.2	73.9	65.1	60.2	69.5	89.8	69.7	22
23	69.8	63.7	71.6	62.6	56.3	50.8	73.2	73.7	53.9	55.9	86.8	74.1	23
24	68.7	71.0	71.0	74.2	65.8	51.0	73.8	73.9	67.5	65.7	86.9	73.5	24
25	69.2	68.5	66.6	74.2	56.1	68.1	75.5	73.7	70.6	62.4	86.9	74.0	25
26	68.4	71.7	74.2	60.5	32.3	74.3	76.4	74.0	67.8	59.5	86.9	70.9	26
27	60.8	68.2	70.0	80.2	23.2	72.2	77.4	73.9	61.2	52.0	86.7	73.9	27
28	61.2	67.6	71.4	85.3	40.6	72.2	74.0	73.7	64.4	52.4	86.1	74.1	28
29	52.7		73.7	72.7	39.7	76.9	72.6	73.6	36.2	64.3	86.9	74.1	29
30	54.6		65.3	67.4	43.9	87.4	86.7	73.7	34.9	59.8	86.9	71.0	30
31	68.4		63.9		42.8		87.1	73.8		67.6		73.9	31
TOTAL	1 953.9	1 882.1	1 963.0	2 080.1	1 649.3	1 797.0	2 553.4	2 304.8	1 990.9	1 764.3	2 472.4	2 500.8	TOTAL
MEAN	63.0	67.2	63.3	69.3	53.2	59.9	82.4	74.3	66.4	56.9	82.4	80.7	MEAN
MAX	73.4	74.0	74.6	85.3	78.9	87.4	129	86.8	74.1	74.0	89.8	89.3	MAX
MIN	37.3	50.1	28.5	51.1	23.2	28.4	44.1	37.0	33.3	32.3	67.8	65.9	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 68.3
MAXIMUM DAILY, 129 ON JUL 09
MINIMUM DAILY, 23.2 ON MAY 27

DATA CONTRIBUTED BY -
GREAT LAKES POWER COMPANY LIMITED

REMARKS - RECORDS PRIOR TO JAN 01 1980 PUBLISHED AS "MICHIPICOTEN RIVER BELOW SCOTT FALLS".

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 47 54 05 N
LONG 084 42 35 W
DRAINAGE AREA, 5 130 km²

REGULATED SINCE 1929

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	169 000	JUL	221 000
FEB	163 000	AUG	199 000
MAR	170 000	SEP	172 000
APR	180 000	OCT	152 000
MAY	142 000	NOV	214 000
JUN	155 000	DEC	216 000

TOTAL DISCHARGE, 2 150 000 dam³

MIDDLE MAITLAND RIVER ABOVE ETHEL - STATION NO. 02FE013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	D
1	1.00B	6.29B	2.66B	7.99	1.07	0.633	1.62	1.41	0.397	12.4	2.00	11.6	
2	1.30B	11.0 B	3.57B	8.83	0.900	0.574	1.06	0.755	0.299	6.88	2.11	8.74	
3	1.35B	7.15B	5.51B	12.9	0.635	0.701	0.790	0.501	0.267	4.48	2.02	6.79	
4	2.30B	5.18B	3.11B	10.7	0.875	0.863	0.615	0.373	0.260	6.11	1.87	11.7	
5	8.73B	4.10B	2.33B	7.68	1.11	0.967	0.542	0.339	0.386	13.8	5.73	11.9	
6	8.13B	3.30B	1.94B	5.49	1.19	0.772	0.461	0.302	0.406	10.1	42.6	9.52	
7	5.59B	3.05B	1.74B	4.41	1.03	0.658	0.433	0.231	0.517	5.99	46.9	7.57	
8	4.21B	5.05	1.69B	3.65	0.902	0.656	0.388	0.239	0.960	3.72	27.3	6.46	
9	3.78B	28.0	2.64B	3.11	0.798	0.656	4.14	0.226	1.02	16.1	16.6	5.84	
10	3.53B	38.8	10.5	3.35	0.766	0.635	5.17	0.206	0.730	46.1	13.2	7.79	1
11	3.08B	22.0	21.1	6.42	0.790	0.578	2.00	0.200	0.568	49.2	11.2	8.08	1
12	2.82B	11.8	38.3	6.11	0.753	0.531	1.10	0.222	0.550	39.9	9.41	6.85	1
13	2.09B	7.80B	57.5	4.45	0.732	0.502	0.760	0.401	0.482	25.8	7.91	15.7	1
14	2.03B	9.28B	54.3	4.09	0.738	0.600	0.630	0.462	0.474	17.6	7.26	14.0	1
15	2.22B	4.40B	36.7	6.14	0.657	0.824	0.639	0.446	1.16	12.3	10.7	8.70	1
16	3.39B	5.40B	24.9	7.34	0.745	0.583	0.609	0.430	2.25	9.60	11.9	6.91	1
17	6.50B	3.78B	21.4	7.91	2.68	0.496	0.580	0.351	1.54	13.3	9.45	5.73	1
18	34.4 B	3.00B	15.1	8.92	6.09	0.455	0.522	0.279	1.01	21.9	7.09	9.51	1
19	46.5 B	2.72B	10.2	6.40	4.54	0.417	0.463	0.269	0.818	28.7	5.77	17.0	1
20	37.7	2.57B	7.65	5.28	7.92	0.403	0.461	0.261	0.728	18.7	4.85	11.1	2
21	14.4 B	2.48B	6.37	7.09	14.2	0.411	0.501	0.279	0.672	11.9	4.20	7.93	2
22	9.33B	4.29	7.32	6.94	7.87	0.437	0.521	0.300	0.815	9.05	11.2	15.7	2
23	6.93B	28.0	28.8	5.29	4.83	0.638	0.426	0.307	0.655	7.00	26.4	22.8	2
24	6.88B	20.7	18.4	4.10	3.39	9.59	0.377	0.290	0.637	5.63	18.7	14.6	2
25	8.73B	6.10B	9.81	3.26	2.41	6.56	0.301	0.277	0.683	4.54	16.1	7.85B	2
26	17.0 B	4.39B	7.27	2.58	1.86	3.11	0.250	0.259	0.714	3.78	13.4	5.49B	2
27	12.5 B	3.32B	5.40	2.04	1.46	1.66	0.192	0.248	0.747	3.13	18.6	6.45B	2
28	21.9 B	2.99B	4.54	1.73	1.25	1.15	0.162	0.517	0.691	2.94	38.5	6.37B	2
29	18.9		3.92	1.45	1.05	1.25	0.148	0.865	0.659	2.66	34.0	17.5 B	2
30	12.1		4.81	1.27	0.869	3.13	0.338	0.773	3.96	2.35	17.6	64.3	3
31	7.20B		7.71		0.734		2.26	0.544		2.19		73.4	3
TOTAL	316.52	256.94	427.39	166.92	75.044	40.440	28.461	12.582	25.052	417.45	444.57	433.88	TOT
MEAN	10.2	9.18	13.8	5.56	2.42	1.35	0.918	0.406	0.835	13.5	14.8	14.0	MEA
MAX	46.5	38.8	57.5	12.9	14.2	9.59	5.17	1.41	3.96	49.2	46.9	73.4	MAX
MIN	1.00	2.48	1.69	1.27	0.657	0.403	0.148	0.200	0.260	2.19	1.87	5.49	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.25
MAXIMUM DAILY, 73.4 ON DEC 31
MINIMUM DAILY, 0.148 ON JUL 29
MAXIMUM INSTANTANEOUS,
78.0 AT 23:56 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 43 05 N
LONG 081 07 28 W
DRAINAGE AREA, 416 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	27 300	JUL	2 460
FEB	22 200	AUG	1 090
MAR	36 900	SEP	2 160
APR	14 400	OCT	36 100
MAY	6 480	NOV	36 400
JUN	3 490	DEC	37 500

TOTAL DISCHARGE, 228 000 dam³

MIDDLE MAITLAND RIVER NEAR BELGRAVE - STATION NO. 02FE008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	2.00B	11.8 B	4.79B	12.5	2.40	1.61	3.17	2.56	0.609	9.98	3.41	21.1	1
2	2.30B	15.8 B	5.98B	13.4	2.06	1.48	2.10	1.61	0.481	10.4	3.18	15.4	2
3	2.40B	13.6 B	8.80B	19.0	1.83	1.46	1.49	0.992	0.373	6.22	3.17	12.7	3
4	3.86B	10.0 B	5.21B	18.1	1.76	1.48	1.15	0.714	0.330	5.98	3.06	14.8	4
5	14.6 B	7.35B	3.90B	13.7	2.19	1.50	0.991	0.606	0.383	16.5	5.58	19.7	5
6	13.6 B	5.60B	3.25B	10.2	2.48	1.53	0.853	0.522	0.347	15.4	59.9	15.8	6
7	9.37B	5.10B	2.92B	7.97	2.29	1.31	0.750	0.468	0.420	8.96	81.4	13.5	7
8	7.06B	6.65B	2.83B	6.59	2.02	1.16	0.726	0.427	0.566	5.55	56.0	11.7	8
9	6.34B	38.6	4.43B	5.63	1.78	1.15	2.08	0.358	0.885	12.4	30.6	10.5	9
10	5.92B	63.3	10.5 B	5.70	1.66	1.09	7.13	0.322	1.02	63.1	21.3	11.6	10
11	5.16B	42.3 B	26.0 B	8.92	1.70	1.04	4.58	0.296	0.818	82.8	16.9	13.4	11
12	4.73B	22.1 B	59.6	10.8	1.65	0.947	2.34	0.343	0.620	75.7	14.0	12.2	12
13	3.50B	14.7	90.6	8.26	1.62	0.848	1.47	0.502	0.531	47.8	11.8	20.0	13
14	3.40B	12.7 B	86.0	6.94	1.47	1.09	1.14	0.549	0.502	30.0	10.6	26.5	14
15	3.72B	9.35B	61.9	8.90	0.670	1.27	1.07	0.592	0.866	19.3	12.8	15.5	15
16	5.68B	7.85B	40.5	11.8	0.587	1.26	0.977	0.536	1.58	14.1	16.4	12.5	16
17	10.9 B	6.65B	32.6	12.4	4.13	0.968	0.897	0.527	2.20	15.0	14.3	10.7	17
18	57.7 B	5.10B	24.1	14.0	15.0	0.821	0.833	0.478	1.60	34.1	11.2	13.1	18
19	68.3 B	4.70B	16.5	11.3	10.6	0.725	0.785	0.430	1.21	50.0	9.10	26.4	19
20	48.2 B	4.50B	12.9	9.20	11.2	0.667	0.779	0.393	1.00	39.8	7.55	20.2	20
21	38.2	4.40B	10.6	10.7	28.3	0.639	0.709	0.363	0.856	20.8	6.34	14.1	21
22	27.3	6.20B	10.6	11.8	17.1	0.650	0.725	0.353	0.823	14.1	11.9	18.6	22
23	11.6 B	28.4 B	36.5	9.59	10.4	0.902	0.761	0.360	0.892	11.0	37.7	36.4	23
24	11.5 B	34.8 B	31.9	7.38	7.11	2.07	0.715	0.362	0.832	8.99	30.8	26.7 B	24
25	14.6 B	11.7 B	17.3	5.97	4.82	9.28	0.618	0.357	0.782	7.33	25.4	15.1 B	25
26	28.5 B	7.80B	12.9	4.99	4.03	4.82	0.548	0.343	0.762	5.96	23.9	8.26B	26
27	21.0 B	6.00B	10.0	4.14	3.53	2.87	0.493	0.329	0.778	5.00	59.1	8.48B	27
28	34.7 B	5.05B	8.20	3.59	2.98	1.95	0.474	0.563	0.840	4.78	71.6	9.86B	28
29	32.6 B		6.99	3.14	2.56	2.88	0.435	0.500	0.921	5.28	67.9	26.5 B	29
30	18.2 B		7.38	2.75	2.16	2.65	0.437	0.730	1.12	4.17	37.9	108	30
31	13.4 B		10.9		1.83		0.541	0.778		3.69		115	31
TOTAL	530.34	411.30	668.58	279.46	153.917	52.117	41.757	18.263	24.947	651.20	734.79	704.30	TOTA
MEAN	17.1	14.7	21.6	9.32	4.97	1.74	1.35	0.589	0.832	21.0	24.5	22.7	MEA
MAX	68.3	63.3	90.6	19.0	28.3	9.28	7.13	2.56	2.20	82.8	81.4	115	MAX
MIN	2.00	4.40	2.83	2.75	0.587	0.639	0.435	0.296	0.330	3.69	3.06	8.26	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.7
MAXIMUM DAILY, 115 ON DEC 31
MINIMUM DAILY, 0.296 ON AUG 11
MAXIMUM INSTANTANEOUS,
125 AT 05:45 EST ON DEC 31

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 48 46 N
LONG 081 18 25 W
DRAINAGE AREA, 648 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	45 800	JUL	3 610
FEB	35 500	AUG	1 580
MAR	57 800	SEP	2 160
APR	24 100	OCT	56 300
MAY	13 300	NOV	63 500
JUN	4 500	DEC	60 900

TOTAL DISCHARGE, 369 000 dam³

MIDDLE MAITLAND RIVER NEAR LISTOWEL - STATION NO. 02FE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.188	0.903B	0.478B	1.56	0.222	0.115	0.139	0.150	0.045	1.73	0.477	2.03	1
2	0.251	1.63 B	0.597	1.80	0.196	0.149	0.113	0.089	0.042	0.982	0.424	1.50	2
3	0.262	0.855B	0.922	1.97	0.387	0.193	0.102	0.060	0.031	0.701	0.391	1.23	3
4	0.661	0.730B	0.520B	1.57	0.137	0.172	0.086	0.046	0.097	2.08	0.393	2.34	4
5	1.46	0.622B	0.390B	1.13	0.258	0.133	0.090	0.045	0.088	4.21	2.50	1.95	5
6	1.36 B	0.586B	0.325B	0.828	0.283	0.121	0.084	0.041	0.075	1.80	12.4	1.54	6
7	0.935B	0.532	0.291B	0.697	0.231	0.112	0.037	0.035	0.177	0.805	4.70	1.24	7
8	0.705B	1.30	0.283B	0.595	0.206	0.128	0.154	0.030	0.097	0.469	2.85	1.07	8
9	0.633	7.34	0.611	0.541	0.178	0.123	0.331	0.026	0.077	7.84	2.10	0.983	9
10	0.590	5.54	2.23	0.679	0.186	0.113	0.128	0.025	0.089	10.7	1.75	1.21	10
11	0.515B	2.30 B	5.76	1.08	0.175	0.125	0.071	0.029	0.104	7.13	1.52	1.15	11
12	0.384B	1.32 B	13.1	0.856	0.150	0.116	0.050	0.125	0.069	3.91	1.32	1.03	12
13	0.350B	1.20	14.3	0.640	0.162	0.115	0.037	0.138	0.054	2.89	1.21	2.34	13
14	0.340B	1.29	8.57	0.700	0.134	0.245	0.053	0.108	0.249	1.84	1.21	2.17	14
15	0.372B	0.661B	5.42	1.14	0.124	0.162	0.046	0.088	0.417	1.35	2.04	1.42	15
16	0.400B	0.917	4.35	1.20	0.209	0.123	0.054	0.061	0.316	0.940	2.14	1.12	16
17	1.40 B	0.650B	3.75	1.51	0.550	0.114	0.041	0.045	0.209	3.25	1.63	0.940	17
18	8.38 B	0.520B	2.48	1.43	0.902	0.127	0.038	0.040	0.139	5.29	1.20	1.80	18
19	6.78	0.455B	1.70	0.975A	0.599	0.125	0.030	0.051	0.139	4.60	0.966	2.34	19
20	4.45	0.430B	1.29 B	0.939	2.16	0.113	0.062	0.050	0.120	2.36	0.845	1.45	20
21	2.41	0.415B	1.10	1.29	2.69	0.117	0.029	0.045	0.248	1.54	0.760	1.20	21
22	1.56	1.56	1.76	1.05	1.28	0.142	0.039	0.038	0.120	1.19	3.95	3.64	22
23	1.16	5.42	5.40	0.802	0.801	0.608	0.027	0.040	0.155	0.979	4.34	3.81	23
24	1.15	2.08 B	2.65 B	0.647	0.580	1.38	0.021	0.026	0.179	0.890	3.07	2.30 B	24
25	1.46	1.02 B	1.57 B	0.539	0.448	0.722	0.017	0.025	0.133	0.794	2.74	1.57 B	25
26	2.85	0.735B	1.25	0.447	0.363	0.382	0.016	0.024	0.168	0.677	2.20	1.19 B	26
27	2.09	0.555B	0.921B	0.376	0.314	0.248	0.015	0.056	0.138	0.595	1.55	0.968B	27
28	3.67	0.500B	0.594	0.315	0.263	0.163	0.015	0.321	0.106	0.597	11.2	0.916B	28
29	2.20 B		0.753	0.268	0.216	0.210	0.017	0.190	0.140	0.544	5.28	9.50 B	29
30	1.31 B		1.04	0.244	0.173	0.170	0.471	0.111	1.83	0.523	2.96	18.3	30
31	0.840B		1.55		0.139		0.390	0.064		0.491		6.40	31
TOTAL	51.116	42.066	85.955	27.818	14.716	6.866	2.803	2.222	5.851	73.697	86.116	81.647	TOTAL
MEAN	1.65	1.50	2.77	0.927	0.475	0.229	0.090	0.072	0.195	2.38	2.87	2.63	MEAN
MAX	8.38	7.34	14.3	1.97	2.69	1.38	0.471	0.321	1.83	10.7	12.4	18.3	MAX
MIN	0.188	0.415	0.283	0.244	0.124	0.112	0.015	0.024	0.031	0.469	0.391	0.916	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.32
MAXIMUM DAILY, 18.3 ON DEC 30
MINIMUM DAILY, 0.015 ON JUL 27
MAXIMUM INSTANTANEOUS,
26.2 AT 22:43 EST ON DEC 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 43 38 N
LONG 080 58 20 W
DRAINAGE AREA, 77.7 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 420	JUL	242
FEB	3 630	AUG	192
MAR	7 430	SEP	506
APR	2 400	OCT	6 370
MAY	1 270	NOV	7 440
JUN	593	DEC	7 050

TOTAL DISCHARGE, 41 500 dam³

MIDDLE SEVERN RIVER AT WASHAGO - STATION NO. 02EC013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	22.5 E	11.8	24.0	4.94E	4.52	4.67	4.30E	3.09	1.50 E	0.793	0.920	3.28 E	1
2	22.4	11.8	25.4	5.00	4.61	4.60E	4.48E	3.17	1.47 E	0.677	0.920	3.16 E	2
3	13.5	11.8E	25.3 E	5.09	4.75	4.54E	4.65	3.17	1.45 E	0.694	0.793	3.05	3
4	2.75	11.8E	25.1 E	5.09	4.71	4.47	4.55	3.12E	1.42	1.45	0.667E	4.25	4
5	0.945	11.8	25.0	5.38	4.71E	4.56	4.26	3.07E	1.42	1.07	0.540	2.87	5
6	0.913E	11.8	24.9	5.38	4.70E	4.74	4.16	3.01E	1.51	0.973E	0.825	3.74	6
7	0.882E	11.8	24.8	5.38E	4.70	4.64	4.25E	2.96	1.42	0.875E	0.920	3.74	7
8	0.850	11.6	21.1	5.38E	4.79	4.64	4.34E	2.86	1.38 E	0.778E	0.825	3.45 E	8
9	0.755	11.6	15.5	5.38	4.88	4.48E	4.43	2.76	1.35 E	0.680	0.920	3.16 E	9
10	0.755	11.6E	15.8 E	5.47	5.16	4.31E	4.33	2.76	1.31	0.865	0.801E	2.87	10
11	1.03	11.7E	16.0 E	5.47	5.15	4.15	4.23	2.69E	1.31	1.25	0.683E	2.96	11
12	1.04	11.7	16.3	10.6 E	5.02E	4.62	3.94	2.62E	1.30	1.05	0.564E	3.22	12
13	1.01 E	11.8	17.5	14.9 E	4.89E	4.90	4.03	2.55	1.21	1.18 E	0.445	3.22	13
14	0.977E	11.7	18.9	14.9 E	4.76	4.70	4.06E	2.55	1.40	1.30 E	0.635	2.87	14
15	3.64	11.7	20.4	14.9 E	4.85	4.69	4.08E	2.54	1.21 E	1.43	1.01	2.99 E	15
16	5.26	11.7	11.3	14.9 E	4.84	4.72E	4.11	2.35	1.02 E	1.14	1.01	3.10 E	16
17	5.26	11.8E	4.24	14.9	4.84	4.74E	4.11	2.34	0.824	1.52	0.948E	3.22	17
18	5.26	11.8E	4.34E	20.4	5.31	4.77	4.10	2.27E	0.821	1.52	0.887E	3.22	18
19	5.26	15.3	4.43	23.6	5.23E	4.20	4.00	2.21E	0.819	0.845	0.825	3.22	19
20	5.49 E	17.3	4.43	26.1 E	5.16E	4.19	4.09	2.14	0.816	0.970E	0.825	3.22	20
21	5.72 E	17.0	4.62	29.5 E	5.08E	4.57	4.02E	2.04	0.910	1.10 E	0.825	2.55 E	21
22	5.95	17.0	4.71	29.5 E	5.00	4.56	3.96E	2.03	0.908E	1.22	2.66	1.20 E	22
23	5.95	17.6	4.81	29.5	5.00	4.52E	3.89	2.03	0.905E	1.03	3.56	1.20 E	23
24	5.95	17.7E	4.81E	29.5	5.00	4.49E	3.78	2.02	0.903	1.02	3.39 E	1.20	24
25	5.78	17.8E	4.81E	30.3	4.99	4.45	3.78	1.91E	0.902	0.645	3.22 E	1.08 E	25
26	5.95	17.9	4.81	31.0	4.96E	4.64	3.77	1.81E	0.803	0.643	3.05	0.950E	26
27	5.95 E	17.7	4.81	31.0	4.93E	3.40	3.77	1.70	0.612	0.641E	3.91	0.825	27
28	5.95 E	20.3	4.90	30.5 E	4.90	3.77	3.77E	1.72	0.610	0.639E	3.74	0.710	28
29	5.95		4.90	30.5 E	4.59	3.96	3.76E	1.63	0.671E	0.637	3.74	0.950E	29
30	5.95		4.81	15.3	4.40	4.13E	3.76	1.62	0.732E	0.834	3.39	1.17 E	30
31	9.36		4.87E		4.49		3.09	1.52		0.825		1.39	31
TOTAL	168.937	386.9	397.60	499.76	150.92	133.82	125.85	74.26	32.916	30.294	47.448	78.055	TOTAL
MEAN	5.45	13.8	12.8	16.7	4.87	4.46	4.06	2.40	1.10	0.977	1.58	2.52	MEAN
MAX	22.5	20.3	25.4	31.0	5.31	4.90	4.65	3.17	1.51	1.52	3.91	4.25	MAX
MIN	0.755	11.6	4.24	4.94	4.40	3.40	3.09	1.52	0.610	0.637	0.445	0.710	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.83
MAXIMUM DAILY, 31.0 ON APR 26
MINIMUM DAILY, 0.445 ON NOV 13

TYPE OF GAUGE - MANUAL
LOCATION - LAT 44 44 56 N
LONG 079 19 57 W

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	14 600	JUL	10 900
FEB	33 400	AUG	6 420
MAR	34 400	SEP	2 840
APR	43 200	OCT	2 620
MAY	13 000	NOV	4 100
JUN	1[illegible] 600	DEC	6 740

TOTAL DISCHARGE, 184 000 dam³

MIDDLE THAMES RIVER AT THAMESFORD - STATION NO. 02GD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.760B	3.20	3.72	4.51	1.38	1.29	0.797	1.66 A	1.55	2.04	2.13	4.58
2	1.10 B	6.76	3.58	5.12	1.28	1.21	0.715A	1.16 A	1.27	2.04	2.02	3.77
3	1.53 B	4.42	4.91	5.96	1.23	1.60	0.624A	0.966A	1.05	1.77	1.94	3.60
4	2.30 B	3.30B	3.16	5.31	1.30	1.70	0.575A	0.854A	0.952	5.30	1.88	8.30
5	10.7	3.00B	2.42	4.40	1.79	1.44	0.523A	0.846A	0.919	7.67	6.85	7.28
6	7.39	2.80B	1.94	3.64	1.56	1.28	0.516A	0.862A	0.990	4.41	38.9	5.58
7	4.13	2.65B	1.73	3.19	1.32	1.16	0.480A	0.745A	1.81	3.08	26.3	4.57
8	3.09	4.68	1.79	2.79	1.21	1.07	0.474A	0.673A	1.47	2.98	14.4	4.09
9	2.54	22.7	5.57	2.54	1.13	1.17	32.2 A	0.631A	1.17	8.72	9.35	3.98
10	2.49	26.6	11.6	3.29	1.20	1.15	20.4 A	0.582A	1.07	17.1	8.15	5.49
11	2.48	12.3	15.7	8.27	1.22	1.06	4.75 A	0.582A	0.974	18.4	6.84	5.78
12	2.19	6.71	25.0	5.90	1.11	0.985	2.76 A	0.568A	0.921	14.2	5.46	4.86
13	2.05 B	5.16	32.3	4.06	2.56	0.951	1.89 A	2.99 A	0.857	14.7	4.64	7.39
14	1.88 B	5.58	26.0	3.75	3.05	0.928	1.48 A	2.70 A	1.23	10.0	4.18	5.82
15	1.73 B	3.80B	18.3	4.46	2.22	0.893	3.10 A	1.61 A	11.3	6.48	4.15	4.38
16	1.62 B	3.50B	13.9	4.45	3.54	0.808	2.46 A	1.22 A	7.32	4.61	3.97	4.04
17	8.64	3.20B	12.4	4.43	11.0	0.744	1.80 A	1.12 A	4.46	3.85	3.70	3.73
18	42.7	2.90B	8.67	3.87	16.3	0.705	1.49 A	0.950A	3.10	8.09	3.26	5.96
19	27.9	2.60B	6.41	3.21	9.86	0.645	1.56 A	0.934A	2.61	12.6	3.02	8.97
20	13.3	2.30B	5.39	3.22	9.49	0.624	3.07 A	5.00 A	2.56	7.88	2.78	6.38
21	7.62	2.10B	5.04	4.89	17.6	0.633	3.71 A	3.18 A	2.21	5.45	2.61	5.14
22	5.10	16.3	5.51	4.61	10.1	0.656	2.43 A	2.27 A	2.16	4.48	5.93	10.2
23	3.85	64.0	9.87	3.70	6.14	1.14	2.47 A	1.74	2.14	3.82	9.89	13.3
24	4.63	29.1	6.98	3.02	4.26	1.74	2.07 A	1.44	2.80	3.38	7.35	11.4
25	9.10	13.5	4.70	2.58	3.29	1.24	1.55 A	1.23	2.57	3.02	5.70	6.20B
26	13.7	8.15	3.90	2.23	2.75	0.997	1.22 A	1.02	2.28	2.70	4.38	4.50B
27	7.70	5.64	3.18	2.04	2.30	0.904	1.04 A	0.946	1.89	2.43	5.15	3.95B
28	11.4	4.42	2.79	1.85	1.97	0.836	0.942A	5.98	1.66	2.51	8.37	3.60B
29	7.22		2.63	1.71	1.76	0.900	0.862A	7.08	1.51	2.47	8.93	25.0 B
30	4.61		3.44	1.59	1.60	0.905	0.767A	3.53	1.88	2.36	5.86	74.6 B
31	3.49		4.48		1.42		2.47 A	2.17		2.25		35.8
TOTAL	218.940	271.37	257.01	114.59	126.94	31.764	101.195	57.239	68.683	190.79	217.99	302.24
MEAN	7.06	9.69	8.29	3.82	4.09	1.06	3.26	1.85	2.29	6.15	7.27	9.75
MAX	42.7	64.0	32.3	8.27	17.6	1.74	32.2	7.08	11.3	18.4	38.8	74.6
MIN	0.760	2.10	1.73	1.59	1.11	0.624	0.474	0.568	0.857	1.77	1.88	3.60

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.37
MAXIMUM DAILY, 74.6B ON DEC 30
MINIMUM DAILY, 0.474A ON JUL 08
MAXIMUM INSTANTANEOUS,
90.3 AT 03:26 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 03 32 N
LONG 080 59 18 W
DRAINAGE AREA, 306 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	18 900	JUL	8 740
FEB	23 400	AUG	4 950
MAR	22 200	SEP	5 930
APR	9 900	OCT	16 500
MAY	11 000	NOV	18 800
JUN	2 740	DEC	26 100

TOTAL DISCHARGE, 169 000 dam³

MILLHAVEN CREEK NEAR MILLHAVEN - STATION NO. 02HM006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.580B	3.05B	3.97	1.42	2.97	1.55	0.782	0.191	0.128	0.271	1.94	1.03
2	0.650B	2.95B	3.51	1.59	2.65	1.56	0.767	0.195	0.129	0.322	1.61	1.11
3	0.702B	2.88B	3.35	2.14	2.42	1.52	0.657	0.169	0.130	0.352	1.40	1.37
4	1.05 B	2.92B	2.93	3.12	2.25	1.71	0.478	0.185	0.134	0.367	1.27	4.88
5	1.35 B	2.75B	2.72	3.49	3.07	1.87	0.322	0.218	0.155	0.395	1.45	5.22B
6	1.28 B	2.71B	2.40	2.98	2.54	1.58	0.331	0.227	0.148	0.362	1.63	4.92B
7	1.20 B	2.67B	5.27	3.03	2.33	1.48	0.310	0.213	0.146	0.315	1.59	4.82
8	1.17 B	2.63B	5.00	2.71	2.36	1.45	0.267	0.193	0.128	0.392	1.63	4.73
9	1.15 B	4.16B	1.79	2.64	1.97	1.33	0.276	0.185	0.134	0.526	1.52	4.55
10	1.13 B	5.13B	1.62	3.18	1.69	1.41	0.227	0.178	0.126	1.23	1.66	4.30B
11	1.18 B	4.31	2.49	5.23	1.15	1.61	0.228	0.167	0.131	1.24	1.79	4.02B
12	1.25 B	3.94	5.45	4.29	1.53	1.25	0.228	0.176	0.129	1.22	1.61	3.80
13	1.22 B	3.56B	6.94	3.80	2.04	0.800	0.227	0.309	0.123	1.81	1.50B	3.58
14	1.21 B	4.08	8.11	4.22	2.10	0.859	0.277	0.235	0.119	1.57	1.43B	3.19
15	1.18 B	3.29	8.20	4.43	1.59	0.813	0.309	0.206	0.124	1.31	1.40	3.41
16	1.15 B	3.24	8.14	4.51	1.75	0.768	0.290	0.192	0.121	1.49	1.27	3.06
17	1.45 B	3.49	9.31	4.22	2.74	0.664	0.274	0.145	0.124	1.29	1.46	2.81B
18	3.70 B	3.53	8.72	4.40	2.50	0.740	0.268	0.126	0.144	2.22	1.37	3.18
19	4.50 B	2.97	8.15	4.27	2.54	0.635	0.247A	0.133	0.131	3.34	1.25	4.48
20	4.75 B	2.85	8.13	4.26	3.13	0.659	0.292A	0.124	0.142	3.51	1.18	3.28
21	4.65 B	2.70	7.59	5.36	4.39	0.615	0.263A	0.119	0.144	2.94	1.14	3.77
22	4.50 B	2.82	6.74	4.95	3.49	0.582	0.272A	0.116	0.164	2.70	1.07	5.11
23	4.00 B	5.08	6.31	4.69	3.02	0.525	0.322A	0.120	0.167	2.89	1.18	8.86
24	3.46 B	4.84	5.93	4.28	2.73	0.462	0.194A	0.113	0.147	2.59	1.11	8.39
25	3.64 B	5.01	5.19	5.85	2.40	0.455	0.158	0.138	0.146	2.34	1.07	6.92B
26	3.50 B	4.89	4.43	5.18	2.62	0.409	0.193	0.141	0.127	2.29	1.11	7.20B
27	3.40 B	4.64	0.962	4.25	2.57	0.384	0.195	0.134	0.091	1.92	1.23	7.13B
28	3.30 B	4.40	0.847	4.24	2.35	0.451	0.184	0.150	0.094	1.98	1.24	7.02B
29	3.20 B		0.911	3.86	2.51	0.746	0.195	0.147	0.130	2.22	1.20	8.72
30	3.25 B		1.10	3.30	2.32	0.794	0.171	0.136	0.332	2.04	1.27	13.0
31	3.15 B		1.22		1.84		0.234	0.143		1.96		9.59
TOTAL	71.902	101.39	141.430	115.89	75.56	29.681	9.438	5.224	4.188	49.402	41.58	157.45
MEAN	2.32	3.62	4.56	3.86	2.44	0.989	0.305	0.169	0.140	1.59	1.39	5.08
MAX	4.75	5.13	9.31	5.85	4.39	1.87	0.782	0.309	0.332	3.51	1.94	13.0
MIN	0.580	2.63	0.847	1.42	1.15	0.384	0.158	0.113	0.091	0.271	1.07	1.03

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.20
MAXIMUM DAILY, 13.0 ON DEC 30
MINIMUM DAILY, 0.091 ON SEP 27
MAXIMUM INSTANTANEOUS,
13.9 AT 07:13 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 13 34 N
LONG 076 45 30 W
DRAINAGE AREA, 150 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	6 210	JUL	815
FEB	8 760	AUG	451
MAR	12 200	SEP	362
APR	10 000	OCT	4 270
MAY	6 530	NOV	3 590
JUN	2 560	DEC	13 600

TOTAL DISCHARGE, 69 300 dam³

MIMICO CREEK AT ISLINGTON - STATION NO. 02HC033

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.600B	0.606	0.550B	0.345	0.236	0.180	0.733	0.123	0.204	0.474	0.201	0.192	1
2	0.400B	0.939	1.59 B	1.21	0.206	0.156	0.208	0.086	0.158	0.378	0.201	0.156	2
3	0.380B	0.228	0.950B	0.997	0.226	1.03	0.161	0.069	0.098	0.213	0.170	1.14	3
4	3.40 B	0.260	0.450B	1.04	0.261	0.621	0.148	0.095	0.063	1.99	0.165	4.80	4
5	1.12	0.258	0.270B	0.561	2.15	0.214	0.229	1.59	0.171	0.723	3.62	1.07	5
6	0.364	0.548	0.289	0.392	0.324	0.414	0.161	0.222	0.163	0.249	4.17	0.751	6
7	0.260	1.00	0.324	0.310	0.212	0.205	0.126	0.077	0.175	0.164	0.579	0.735	7
8	0.228	1.66	0.560	0.240	0.232	1.01	0.128	0.095	0.149	0.651	0.442	0.757	8
9	0.400B	1.97	0.681	0.245	0.231	0.522	0.622	0.092	0.092	5.04	0.347	0.813	9
10	3.00 B	0.827	1.34	2.32	1.07	0.195	0.242	0.076	0.091	2.20	0.413	1.57	10
11	0.832	0.392	4.39	1.87	0.359	0.154	0.136	0.793	0.115	1.36	0.300	0.705	11
12	0.470B	0.300	9.30	0.558	0.233	0.185	0.132	5.36	0.124	6.26	0.307	0.503	12
13	0.210B	0.702	2.37	0.396	1.81	1.48	0.127	7.13	0.146	3.08	0.244	1.08	13
14	0.220B	0.950B	1.83	0.816	0.419	0.284	0.160	0.758	1.59	0.576	0.200	0.537	14
15	0.258	0.200B	1.25	0.731	0.282	0.237	2.96	2.06	1.40	0.362	0.202	0.397	15
16	0.294	0.550B	1.11	0.454	3.04	0.180	0.488	1.24	0.232	0.289	0.232	0.546	16
17	2.00	0.607	0.971	1.03	2.48	0.122	0.464	0.303	0.119	1.98	0.253	0.382	17
18	2.15	0.506	0.621	0.376	0.747	0.245	0.406	0.328	0.113	2.13	0.166	2.07	18
19	0.420B	0.500B	0.725	0.305	0.508	0.200	0.171	1.94	0.281	0.805	0.149	1.16	19
20	0.273B	0.420B	0.545	1.25	6.62	0.161	1.64	0.479	0.248	0.372	0.181	0.474	20
21	0.187B	0.550B	0.493	1.13	1.56	0.227	0.345	0.264	0.156	0.266	0.197	2.19	21
22	0.322B	8.90 B	0.582	0.426	0.619	0.417	1.06	0.227	0.312	0.224	1.13	2.48	22
23	0.310	7.78	0.897	0.354	0.461	1.64	1.93	0.219	0.262	0.244	0.494	8.19	23
24	2.60	1.44	0.413	0.317	0.381	0.981	0.253	0.205	0.138	0.221	0.303	1.33	24
25	1.41	0.550B	0.318	0.435	0.330	0.304	0.151	0.177	0.176	0.214	0.295	0.540B	25
26	1.01	0.530B	0.306	0.335	0.281	0.198	0.101	0.135	0.584	0.234	0.189	0.337B	26
27	0.350	0.540B	0.286	0.286	0.310	0.357	0.068	0.257	0.215	0.214	0.533	0.330B	27
28	0.366	0.440B	0.264	0.248	0.314	0.226	0.060	3.88	0.140	0.280	0.375	0.432	28
29	0.315		0.265	0.211	0.292	1.82	0.054	0.419	0.134	0.167	0.280	13.0	29
30	0.496		0.692	0.227	0.237	0.713	0.562	0.270	3.39	0.176	0.208	6.41	30
31	0.436		0.511		0.208		0.686	0.229		0.195		1.05	31
TOTAL	25.963	34.153	35.143	19.415	26.639	14.678	14.712	29.198	11.239	33.731	16.546	56.127	TOTAL
MEAN	0.838	1.22	1.13	0.647	0.859	0.489	0.475	0.942	0.375	1.09	0.552	1.81	MEAN
MAX	3.40	8.90	9.30	2.32	6.62	1.82	2.96	7.13	3.39	6.26	4.17	13.0	MAX
MIN	0.187	0.200	0.264	0.211	0.206	0.122	0.054	0.069	0.063	0.164	0.149	0.156	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.870
MAXIMUM DAILY, 13.0 ON DEC 29
MINIMUM DAILY, 0.054 ON JUL 29
MAXIMUM INSTANTANEOUS,
25.8 AT 22:30 EST ON FEB 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 38 50 N
LONG 079 31 10 W
DRAINAGE AREA, 70.6 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 240	JUL	1 270
FEB	2 950	AUG	2 520
MAR	3 040	SEP	971
APR	1 680	OCT	2 910
MAY	2 300	NOV	1 430
JUN	1 270	DEC	4 850

TOTAL DISCHARGE, 27 400 dam³

MISSINAIBI RIVER AT MATTICE - STATION NO. 04LJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	26.0B	17.4B	12.6B	76.5B	847	176	167	48.9	22.9	75.8	213	125 B	1
2	25.7B	17.2B	15.5B	77.7B	689	164	170	50.4	22.0	68.9	213	114 B	2
3	25.1B	17.0B	12.4B	81.5B	566	174	185	50.7	21.2	64.4	242	105 B	3
4	24.8B	16.8B	12.3B	84.0B	469	213	228	49.6	20.0	61.6	265	96.5B	4
5	24.3B	16.6B	12.2B	83.0B	400	241	233	48.6	19.3	59.0	264	89.0B	5
6	23.9B	16.4B	12.1B	80.0B	349	251	217	45.8	17.9	57.8	248	82.0B	6
7	23.6B	16.2B	12.1B	77.0B	313	252	190	44.4	17.2	57.1	224	78.0B	7
8	23.3B	16.0B	12.2B	74.0B	287	242	169	43.4	16.7	56.3	197	74.0B	8
9	23.0B	15.8B	12.2B	71.0B	273	234	173	41.9	16.2	53.5	180	71.0B	9
10	22.7B	15.6B	12.2B	69.0B	268	242	192	42.2	16.1	50.4	163	67.5B	10
11	22.3B	15.4B	12.2B	66.0B	262	242	210	41.7	16.2	48.9	149 B	64.0B	11
12	21.9B	15.2B	12.3B	64.0B	277	229	197	41.1	16.8	48.8	133 B	61.0B	12
13	21.6B	15.0B	12.8B	62.0B	325	213	173	39.6	17.1	49.9	119 B	59.0B	13
14	21.3B	14.9B	13.9B	60.0B	379	204	148	37.6	18.5	51.3	117 B	56.5B	14
15	21.0B	14.7B	16.0B	62.0B	421	188	127	36.5A	21.4	53.9	115 B	54.0B	15
16	20.8B	14.5B	23.0B	65.0B	433	168	110	34.4A	66.4	55.8	108 B	52.0B	16
17	20.5B	14.3B	34.0B	70.0B	430	150	98.0	35.0A	129	55.0	103 B	50.0B	17
18	20.2B	14.1B	48.0B	76.0B	454	142	89.5	34.5A	113	61.3	99.0B	48.5B	18
19	20.0B	14.0B	77.0B	79.5B	536	138	86.5	33.4A	90.4	85.3	96.0B	47.1B	19
20	19.8B	13.8B	85.0B	85.0B	546	134	87.2	32.0A	75.3	183	93.1	45.5B	20
21	19.6B	13.7B	94.0B	142 B	504	126	84.4	30.9A	66.7	229	92.5	44.3B	21
22	19.4B	13.6B	97.0B	248 B	444	120	78.3	30.7A	63.9	245	107	43.0B	22
23	19.0B	13.4B	97.0B	430 B	389	118	72.6	29.7	71.8	262	129	42.0B	23
24	18.9B	13.3B	96.0B	710 B	344	118	68.9	28.6	93.5	274	141	41.0B	24
25	18.8B	13.1B	93.0B	840 B	309	118	66.2	27.8	114	275	137 B	40.0B	25
26	18.7B	13.0B	90.0B	1 010 B	284	118	63.6	27.7	122	261	126 B	39.5B	26
27	18.5B	12.9B	86.2B	1 250	262	117	60.3	26.5	119	242	124 B	38.5B	27
28	18.3B	12.8B	82.5B	1 240	244	121	56.6	25.6	108	234	129 B	37.5B	28
29	18.0B		79.5B	1 110	228	129	53.2	25.3	95.8	230	134 B	36.5B	29
30	17.8B		77.0B	992	209	148	50.3	24.6	84.9	223	135 B	35.6B	30
31	17.6B		75.5B		192		48.3	24.0		218		35.0B	31
TOTAL	656.4	416.7	1 424.7	9 435.2	11 931	5 230	3 952.7	1 133.1	1 693.2	3 991.0	4 595.6	1 872.5	TOTAL
MEAN	21.2	14.9	46.0	315	385	174	128	36.6	56.4	129	153	60.4	MEAN
MAX	26.0	17.4	97.0	1 250	847	252	233	50.7	129	275	265	125	MAX
MIN	17.6	12.8	12.1	60.0	192	117	48.3	24.0	16.1	48.8	92.5	35.0	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 127
MAXIMUM DAILY, 1 250 ON APR 27
MINIMUM DAILY, 12.1B ON MAR 06
MAXIMUM INSTANTANEOUS,
1 280 AT 18:43 EST ON APR 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 00 N
LONG 083 15 48 W
DRAINAGE AREA, 8 940 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	56 700	JUL	342 000
FEB	36 000	AUG	97 900
MAR	123 000	SEP	146 000
APR	815 000	OCT	345 000
MAY	1 030 000	NOV	397 000
JUN	452 000	DEC	162 000

TOTAL DISCHARGE, 4 000 000 dam³

MISSINAIBI RIVER BELOW WABOOSE RIVER - STATION NO. 04LM001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	56.0B	32.5B	23.6B	110B	2 730	494	319E	118	80.7	427	496E	211 B	1
2	54.5B	32.0B	23.5B	109B	2 490	446	325E	112	74.6	385	478E	190 B	2
3	53.5B	31.8B	23.4B	111B	2 170	432	332E	109	70.3	352	461A	173 B	3
4	52.0B	31.2B	23.2B	114B	1 910	528	352	113	65.9	323	492	162 B	4
5	50.5B	30.8B	23.0B	116B	1 710	598	412	119	65.1	299	524	153 B	5
6	49.0B	30.4B	23.0B	119B	1 520	629	451	118	62.6	279	522	147 B	6
7	48.0B	30.0B	22.9B	120B	1 370	653	437	117	59.2	264	489	140 B	7
8	47.0B	29.7B	22.8B	119B	1 240	649	424	114	54.2	255	450	133 B	8
9	46.0B	29.2B	22.7B	117B	1 150	619	445	116	51.0	243	417	128 B	9
10	45.0B	29.0B	22.7B	115B	1 020E	591	452	159	51.6	229	384	121 B	10
11	44.0B	28.8B	22.7B	111B	990E	574	450	184	51.4	226	343	116 B	11
12	43.0B	28.5B	22.7B	109B	980E	545	442	188	57.9	231	312	111 B	12
13	42.0B	28.1B	22.8B	108B	980E	507	412	177	74.8	234	275B	108 B	13
14	41.0B	27.8B	23.4B	107B	1 050A	482	364	164	103	233	251B	103 B	14
15	40.0B	27.5B	24.4B	111B	1 120	467	321	149	124	239	248B	101 B	15
16	39.5B	27.2B	26.5B	118B	1 180	441	280	136	130	256	232B	97.0B	16
17	39.0B	27.0B	31.0B	124B	1 230	410	246	129	130	262	214B	94.0B	17
18	38.5B	26.8B	50.0B	130B	1 380	484	219	122	147	269	200B	91.0B	18
19	38.0B	26.5B	72.0B	135B	1 670	573	198	111	229	280	187B	89.0B	19
20	37.5B	26.2B	107 B	140B	1 730	556	184	107	219	293	175B	87.0B	20
21	37.0B	26.0B	119 B	143B	1 650	504	173	101	203	338	173B	84.0B	21
22	36.5B	25.7B	125 B	156B	1 460	474	163	93.6	220	468	195B	82.0B	22
23	36.0B	25.4B	130 B	270B	1 280	465	154	88.7	364	528	211B	80.0B	23
24	35.5B	25.1B	134 B	580B	1 140	437	143	84.4	566	566	221B	78.5B	24
25	35.0B	24.9B	135 B	920B	1 000	400	132	79.5	649	602	227B	77.0B	25
26	34.5B	24.7B	132 B	1 970	888	372	123	81.7	658	616	200B	75.0B	26
27	34.0B	24.3B	129 B	2 450E	789	363	116	93.7	618	593	193B	74.0B	27
28	33.5B	24.1B	124 B	2 700E	710	345	108	97.8	571	569	190B	72.0B	28
29	33.0B		119 B	2 700E	646	318	105	101	525	558	192B	70.5B	29
30	33.0B		117 B	2 750	591	317	111	96.3	476	536E	196B	69.5B	30
31	32.5B		113 B		543		121	89.4		516E		68.0B	31
TOTAL	1 284.5	781.2	2 012.3	16 982	40 317	14 673	8 514	3 669.1	6 751.3	11 469	9 148	3 385.5	TOTAL
MEAN	41.4	27.9	64.9	566	1 300	489	275	118	225	370	305	109	MEAN
MAX	56.0	32.5	135	2 750	2 730	653	452	188	658	616	524	211	MAX
MIN	32.5	24.1	22.7	107	543	317	105	79.5	51.0	226	173	68.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 326
MAXIMUM DAILY, 2 750 ON APR 30
MINIMUM DAILY, 22.7B ON MAR 09
MAXIMUM INSTANTANEOUS,
2 780 AT 00:30 EST ON MAY 01

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 00 N
LONG 082 07 00 W
DRAINAGE AREA, 22 900 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	111 000	JUL	736 000
FEB	67 500	AUG	317 000
MAR	174 000	SEP	583 000
APR	1 470 000	OCT	991 000
MAY	3 490 000	NOV	790 000
JUN	1 270 000	DEC	293 000

TOTAL DISCHARGE, 10 300 000 dam³

MISSISSAGI RIVER AT MISSISSAGI CHUTE - STATION NO. 02CC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	86.2	93.7	146	115	241	191	158	122	48.7	44.6	65.8	184	1
2	29.4	87.6	108	162	224	162	150	74.9	48.3	25.0	86.5	187	2
3	34.9	105	95.2	168	193	172	183	69.5	47.4	23.2	72.3	196	3
4	76.5	155	72.4	169	178	129	196	75.1	48.9	58.7	70.7	196	4
5	98.7	116	65.7	179	126	122	194	61.8	48.8	79.1	79.0	173	5
6	101	75.9	112	178	95.3	122	194	46.7	46.5	48.0	82.2	107	6
7	105	80.8	106	178	106	132	191	46.5	46.6	47.2	87.6	157	7
8	99.3	89.2	67.8	176	94.0	153	138	54.1	46.5	56.6	77.0	179	8
9	98.2	90.1	81.6	146	106	155	181	81.7	48.5	74.9	74.1	167	9
10	88.6	82.3	74.9	145	202	165	177	68.3	50.0	73.8	73.3	175	10
11	84.3	63.0	53.3	148	346	166	146	59.1	48.3	52.6	49.0	177	11
12	95.1	88.6	99.9	134	470	127	137	64.3	51.9	52.3	38.2	175	12
13	98.7	92.7	158	108	456	133	130	61.2	52.4	50.8	60.3	170	13
14	98.2	88.9	203	115	404	152	155	60.8	50.7	48.3	86.8	166	14
15	95.5	92.6	209	107	387	176	114	65.2	47.3	54.5	70.1	127	15
16	65.4	109	209	113	329	180	134	71.9	46.0	53.8	72.5	97.6	16
17	93.1	122	203	137	407	135	131	84.6	45.1	53.9	80.7	147	17
18	99.0	94.2	258	115	526	135	137	72.7	45.9	63.0	75.6	152	18
19	99.2	94.0	314	120	467	148	141	48.5	47.4	135	74.1	164	19
20	98.0	93.0	278	125	363	136	126	52.4	46.6	112	95.1	161	20
21	63.3	91.7	276	105	381	145	85.9	61.7	44.7	108	111	135	21
22	84.5	75.9	259	126	398	125	90.6	71.2	48.1	125	143	128	22
23	87.0	84.5	263	172	379	148	79.3	56.8	48.7	145	188	165	23
24	88.9	76.0	244	194	308	195	92.3	53.8	49.0	123	171	137	24
25	95.7	64.1	227	196	242	190	92.0	49.4	46.9	118	129	128	25
26	95.2	76.6	226	202	240	155	92.5	48.9	47.0	127	149	116	26
27	106	59.8	212	247	248	175	123	53.1	49.7	105	140	102	27
28	87.9	98.7	182	295	238	154	105	64.1	48.3	105	183	123	28
29	85.8		127	322	203	177	92.0	51.8	47.3	100	183	107	29
30	94.6		115	281	198	151	66.7	48.9	47.7	77.8	179	138	30
31	93.9		97.1		197		75.6	49.0		90.8		90.3	31
TOTAL	2 697.1	2 540.9	5 142.6	4 978	8 752.3	4 606	4 107.9	1 950.0	1 439.2	2 401.9	3 046.9	4 626.9	TOTAL
MEAN	87.0	90.7	166	166	282	154	133	62.9	48.0	77.5	102	149	MEAN
MAX	106	155	314	322	526	195	196	122	52.4	145	188	196	MAX
MIN	29.4	59.8	53.3	105	94.0	122	66.7	46.5	44.7	23.2	38.2	90.3	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 127
MAXIMUM DAILY, 526 ON MAY 18
MINIMUM DAILY, 23.2 ON OCT 03
MAXIMUM INSTANTANEOUS,
532 AT 15:31 EST ON MAY 18

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 12 04 N
LONG 083 01 32 W
DRAINAGE AREA, 9 300 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	233 000	JUL	355 000
FEB	220 000	AUG	168 000
MAR	444 000	SEP	124 000
APR	430 000	OCT	208 000
MAY	756 000	NOV	263 000
JUN	398 000	DEC	400 000

TOTAL DISCHARGE, 4 000 000 dam³

MISSISSAGI RIVER AT RAYNER GENERATING STATION - STATION NO. 02CC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	75.7	121	61.9	119	94.2	98.8	51.7	29.7	23.5	54.9	111	1
2	49.9	114	79.5	119	142	110	70.3	67.0	23.8	11.8	55.4	120	2
3	46.4	77.4	25.1	109	100	66.5	121	65.8	4.00	33.0	33.6	74.3	3
4	54.4	68.4	48.1	135	90.6	78.9	120	23.8	27.5	40.1	48.2	108	4
5	61.4	63.7	84.4	125	41.7	92.5	131	0	33.0	32.3	56.0	86.1	5
6	76.4	63.2	63.4	102	58.1	91.9	116	0	40.3	34.8	42.1	116	6
7	89.9	85.0	56.0	113	7.00	109	94.1	36.5	40.7	32.2	39.7	108	7
8	69.5	63.0	61.7	57.1	42.0	108	106	64.5	10.1	36.1	45.9	117	8
9	64.1	60.3	81.5	90.2	107	117	115	59.6	34.6	50.3	51.7	96.7	9
10	79.8	61.3	38.8	89.0	141	141	90.5	56.7	31.6	37.5	55.7	120	10
11	64.5	47.7	61.8	77.5	293	71.8	131	52.6	37.5	37.7	21.5	121	11
12	74.5	76.6	105	100	343	94.3	102	21.6	43.3	47.8	35.9	139	12
13	62.6	57.2	155	52.3	295	100	100	49.6	39.8	27.2	58.6	111	13
14	68.2	72.0	178	59.4	257	76.7	80.5	27.2	39.7	11.6	46.3	100	14
15	57.6	79.0	163	30.9	207	152	68.2	62.9	35.3	37.2	40.0	87.5	15
16	61.4	150	117	88.2	212	95.3	111	65.2	30.5	43.0	56.6	72.2	16
17	62.6	53.8	101	77.4	280	89.6	102	63.8	31.2	49.3	46.6	109	17
18	85.3	71.3	131	64.6	369	105	110	17.3	32.6	70.4	35.9	89.1	18
19	77.3	66.9	260	60.5	273	96.1	72.5	14.1	38.9	67.3	69.5	134	19
20	51.0	70.8	187	73.1	245	97.3	88.1	56.9	33.5	55.2	60.2	97.7	20
21	71.1	71.6	146	54.7	210	103	55.1	37.7	41.0	70.3	54.2	103	21
22	49.9	47.3	166	82.1	257	84.9	25.0	14.1	31.4	84.1	111	103	22
23	59.7	52.3	190	132	207	130	54.4	46.2	38.6	58.8	117	99.9	23
24	74.3	50.0	177	82.1	204	133	68.7	35.7	38.9	92.2	54.9	110	24
25	59.1	48.3	102	66.6	123	104	90.9	30.8	13.3	91.0	85.0	45.7	25
26	105	59.3	151	92.1	169	92.8	54.2	28.0	44.7	110	73.7	55.5	26
27	52.0	57.2	112	144	154	113	92.8	52.2	43.9	65.5	75.9	80.2	27
28	72.0	98.5	80.3	255	155	113	73.3	38.8	46.8	59.0	109	102	28
29	70.8		83.1	170	140	112	0.400	33.5	51.1	52.7	111	70.4	29
30	55.3		68.5	159	108	142	63.2	38.4	22.0	46.5	155	77.8	30
31	85.1		65.7		121		76.7	38.4		53.3		115	31
TOTAL	2 010.8	1 961.8	3 459.9	2 922.7	5 470.40	3 114.8	2 682.700	1 250.4	1 009.30	1 564.7	1 901.0	3 080.1	TOTAL
MEAN	64.9	70.1	112	97.4	176	104	86.5	40.3	33.6	50.5	63.4	99.4	MEAN
MAX	105	150	260	255	369	152	131	67.0	51.1	110	155	139	MAX
MIN	0	47.3	25.1	30.9	7.00	66.5	0.400	0	4.00	11.6	21.5	45.7	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 83.4
MAXIMUM DAILY, 369 ON MAY 18
MINIMUM DAILY, 0 ON JAN 01

DATA CONTRIBUTED BY -
ONTARIO HYDRO

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 46 26 07 N
LONG 083 23 05 W
DRAINAGE AREA, 6 840 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	174 000	JUL	232 000
FEB	169 000	AUG	108 000
MAR	299 000	SEP	87 200
APR	253 000	OCT	135 000
MAY	473 000	NOV	164 000
JUN	269 000	DEC	266 000

TOTAL DISCHARGE, 2 630 000 dam³

MISSISSAGI RIVER AT RED ROCK FALLS - STATION NO. 02CC009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	21.0	77.2	97.8	129	227	160	132	69.7	43.4	29.8	69.9	152	1
2	26.8	77.2	75.9	139	190	135	129	56.5	40.5	21.3	61.7	170	2
3	33.5	119	76.8	146	168	128	172	54.5	40.4	21.3	56.3	178	3
4	76.2	124	36.0	145	151	105	178	70.2	40.3	67.6	61.2	175	4
5	77.2	68.3	74.6	153	76.2	95.5	177	40.1	39.9	41.8	66.1	127	5
6	82.8	56.3	108	153	88.6	104	177	39.6	39.4	39.4	67.4	90.7	6
7	77.2	77.1	58.4	153	76.2	127	162	39.4	40.3	42.5	74.3	146	7
8	77.2	77.2	68.6	145	75.9	130	114	62.3	40.3	54.3	55.8	153	8
9	77.2	77.2	67.5	117	153	128	162	64.9	40.7	72.5	66.4	140	9
10	66.9	73.9	47.7	127	225	136	152	52.0	40.7	46.4	47.2	154	10
11	67.2	53.8	42.3	113	355	120	118	53.0	40.5	43.9	11.8	153	11
12	77.2	77.2	122	88.5	492	114	101	53.6	45.3	43.2	54.5	152	12
13	77.2	77.2	135	98.6	418	110	125	57.2	41.1	41.6	54.5	152	13
14	77.2	77.2	174	90.6	348	133	121	50.2	40.5	41.3	57.1	152	14
15	74.4	77.2	172	82.6	357	156	87.9	54.5	38.7	47.6	55.5	90.2	15
16	49.5	125	174	119	265	153	107	61.6	38.5	40.2	58.1	90.9	16
17	59.6	76.6	174	99.8	454	88.4	122	85.3	38.2	49.7	53.4	131	17
18	77.2	76.6	267	93.9	504	112	114	41.2	40.4	73.8	60.9	129	18
19	77.2	76.9	278	99.1	408	111	98.9	42.0	40.9	133	69.3	153	19
20	77.2	77.0	260	97.0	310	114	103	49.1	39.8	86.6	69.1	138	20
21	45.6	77.2	259	88.1	334	111	61.8	63.1	35.7	88.1	75.9	116	21
22	76.4	53.0	240	126	347	102	75.9	44.9	40.5	102	148	107	22
23	63.4	80.6	239	159	325	144	63.4	49.1	41.6	120	153	144	23
24	72.7	55.8	227	176	259	174	75.9	44.5	40.3	91.4	118	116	24
25	76.8	57.2	190	176	189	160	75.9	40.2	40.3	90.6	116	122	25
26	77.2	54.8	224	206	233	112	76.6	40.3	40.3	106	124	86.6	26
27	77.2	54.0	172	260	226	154	115	55.6	42.5	84.3	99.7	101	27
28	64.4	111	151	301	211	130	76.4	41.6	40.3	86.2	151	88.4	28
29	77.2		79.1	299	178	149	64.9	41.0	40.3	75.8	152	100	29
30	77.2		92.1	251	178	130	49.4	41.0	40.3	65.3	160	105	30
31	77.6		70.5		176		93.3	41.0		65.2		84.7	31
TOTAL	2 115.6	2 161.1	4 453.3	4 431.2	7 967.9	3 825.9	3 481.3	1 599.2	1 211.6	2 013.0	2 477.4	3 998.5	TOTAL
MEAN	68.2	77.2	144	148	257	128	112	51.6	40.4	64.9	82.6	129	MEAN
MAX	82.8	125	278	301	504	174	178	85.3	45.3	133	160	178	MAX
MIN	21.0	53.0	36.0	82.6	75.9	88.4	49.4	39.4	35.7	21.3	11.8	84.7	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 109
MAXIMUM DAILY, 504 ON MAY 18
MINIMUM DAILY, 11.8 ON NOV 11

DATA CONTRIBUTED BY -
ONTARIO HYDRO

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 46 18 57 N
LONG 083 17 27 W
DRAINAGE AREA, 9 010 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	183 000	JUL	301 000
FEB	187 000	AUG	138 000
MAR	385 000	SEP	105 000
APR	383 000	OCT	174 000
MAY	688 000	NOV	214 000
JUN	331 000	DEC	345 000

TOTAL DISCHARGE, 3 430 000 dam³

MISSISSAGI RIVER AT ROCKY ISLAND LAKE - STATION NO. 02CB002

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	406.140	403.050	399.500	398.940	403.100	408.380	408.780	408.570	408.220	407.770	407.920	408.080
2	406.120	402.920	399.300	398.940	403.340	408.460	408.790	408.560	408.210	407.750	407.920	408.100
3	406.110	402.800	399.200	398.950	403.540	408.520	408.800	408.550	408.200	407.730	407.920	408.120
4	406.000	402.690	399.100	398.950	403.730	408.600	408.820	408.540	408.190	407.740	407.920	408.120
5	405.890	402.590	398.940	398.950	403.890	408.630	408.820	408.530	408.180	407.730	407.930	408.110
6	405.790	402.500	398.810	398.950	404.020	408.690	408.820	408.510	408.170	407.730	407.920	408.130
7	405.690	402.420	398.640	398.950	404.150	408.700	408.820	408.490	408.160	407.720	407.910	408.140
8	405.610	402.360	398.470	398.950	404.300	408.720	408.820	408.480	408.140	407.710	407.910	408.160
9	405.520	402.300	398.300	398.950	404.440	408.720	408.820	408.460	408.130	407.700	407.900	408.160
10	405.420	402.250	398.130	398.950	404.650	408.730	408.820	408.460	408.120	407.690	407.900	408.170
11	405.330	402.200	397.960	399.040	404.890	408.730	408.820	408.450	408.100	407.690	407.890	408.170
12	405.250	402.150	397.790	399.170	405.170	408.730	408.810	408.440	408.110	407.680	407.880	408.170
13	405.170	402.070	397.740	399.300	405.430	408.740	408.800	408.440	408.100	407.680	407.880	408.130
14	405.090	401.810	397.860	399.430	405.670	408.740	408.790	408.420	408.100	407.680	407.870	408.070
15	405.020	401.560	397.990	399.550	405.890	408.750	408.770	408.410	408.090	407.680	407.870	408.020
16	404.900	401.350	398.100	399.680	406.110	408.750	408.760	408.390	408.080	407.680	407.870	407.980
17	404.800	401.160	398.200	399.810	406.330	408.750	408.750	408.380	408.060	407.700	407.870	407.930
18	404.700	401.000	398.300	399.930	406.540	408.750	408.740	408.380	408.050	407.730	407.870	407.900
19	404.610	400.850	398.430	400.060	406.770	408.740	408.730	408.370	408.050	407.750	407.870	407.890
20	406.520	400.710	398.490	400.200	406.980	408.740	408.720	408.350	408.020	407.770	407.880	407.850
21	404.440	400.600	398.580	400.300	407.170	408.730	408.700	408.340	408.000	407.800	407.880	407.810
22	404.350	400.510	398.650	400.450	407.340	408.720	408.690	408.320	407.970	407.830	407.890	407.770
23	404.200	400.420	398.710	400.660	407.510	408.750	408.670	408.300	407.950	407.850	407.910	407.740
24	404.060	400.350	398.760	400.910	407.650	408.740	408.660	408.290	407.910	407.870	407.920	407.710
25	403.940	400.230	398.820	401.180	407.790	408.740	408.640	408.280	407.900	407.890	407.930	407.680
26	403.830	400.250	398.880	401.320	407.910	408.740	408.630	408.280	407.880	407.890	407.950	407.660
27	403.720	400.140	398.900	401.670	407.960	408.750	408.610	408.280	407.850	407.900	407.970	407.640
28	403.620	399.700	398.920	402.020	408.060	408.740	408.600	408.260	407.830	407.910	407.990	407.620
29	403.520		398.920	402.350	408.140	408.760	408.590	408.240	407.810	407.910	408.020	407.570
30	403.350		398.930	402.680	408.220	408.770	408.610	408.230	407.790	407.920	408.050	407.530
31	403.190		398.930		408.300		408.580	408.230		407.920		407.500
MEAN	404.900	401.535	398.589	399.973	405.967	408.700	408.735	408.395	408.046	407.774	407.914	407.924
MAX	406.520	403.050	399.500	402.680	408.300	408.770	408.820	408.570	408.220	407.920	408.050	408.170
MIN	403.190	399.700	397.740	398.940	403.100	408.380	408.580	408.230	407.790	407.680	407.870	407.500

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 405.734
MAXIMUM DAILY, 408.820 ON JUL 04
MINIMUM DAILY, 397.740 ON MAR 13

TYPE OF GAUGE - MANUAL
LOCATION - LAT 46 52 00 N
LONG 083 09 19 W
DATA CONTRIBUTED BY -
ONTARIO HYDRO

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1

DRAINAGE AREA,
2 150 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

MISSISSAGI RIVER BELOW AUBREY FALLS - STATION NO. 02CB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	72.9	50.4	43.4	8.70	43.3	38.3	30.5	27.0	26.4	31.6	22.5
2	19.6	82.9	39.6	83.2	16.4	38.1	61.0	42.3	26.0	8.70	31.3	40.6
3	54.6	73.0	27.2	79.3	6.50	25.4	66.8	41.6	2.90	10.5	6.00	46.1
4	72.8	19.4	23.5	64.7	30.3	43.0	84.9	12.3	28.4	37.8	8.00	57.3
5	74.6	52.9	83.6	52.4	26.3	44.6	62.7	3.30	39.5	32.5	27.4	59.4
6	65.4	51.4	69.4	53.9	3.20	61.1	62.6	8.50	33.1	20.6	26.8	76.7
7	53.0	49.6	30.4	41.3	52.4	76.5	49.9	33.8	30.7	14.5	26.9	53.1
8	50.3	48.8	76.6	42.7	47.6	96.8	72.1	44.5	6.90	13.3	29.3	16.6
9	58.6	63.8	52.5	45.4	41.8	77.0	74.1	47.8	2.90	44.6	24.8	46.9
10	79.8	47.9	28.1	52.6	87.5	52.1	56.0	34.6	32.0	28.1	3.10	83.6
11	44.8	40.0	34.6	39.7	74.6	30.9	67.2	46.9	32.2	26.4	0	75.3
12	63.7	47.5	68.3	32.1	88.9	68.4	50.5	10.2	64.5	34.9	34.8	77.3
13	43.8	32.9	76.4	11.2	74.2	78.4	72.4	47.3	36.5	3.80	35.7	93.2
14	49.6	79.5	49.5	14.7	83.0	73.5	59.4	34.9	25.6	6.40	38.7	101
15	49.8	81.9	57.0	9.40	83.0	60.4	38.5	44.2	4.80	24.1	34.9	43.2
16	65.4	141	60.3	27.4	90.5	65.3	74.9	38.8	2.90	31.2	37.5	35.1
17	68.0	53.9	55.2	23.6	99.3	56.1	66.2	69.1	20.3	24.6	12.7	87.2
18	88.4	54.6	58.9	22.4	99.7	60.9	63.7	3.30	12.6	36.9	4.40	84.8
19	52.5	58.2	76.3	22.1	85.5	64.6	39.4	3.30	17.6	44.8	46.9	102
20	27.9	61.6	31.7	19.4	95.0	73.3	46.9	38.2	27.0	5.60	52.7	84.5
21	45.1	36.5	58.7	29.0	94.1	61.4	18.8	20.9	59.8	0	52.9	60.2
22	56.4	37.6	72.7	24.2	92.3	66.7	18.8	10.3	44.6	38.6	58.1	61.2
23	52.6	39.0	40.5	43.6	87.9	59.5	49.5	31.5	33.9	66.7	51.9	54.9
24	68.1	31.5	45.0	19.1	89.0	33.7	63.7	57.1	30.7	64.1	51.3	64.2
25	59.3	27.4	46.3	4.70	43.7	59.6	69.0	21.3	13.1	32.9	22.1	64.7
26	83.5	28.5	56.4	7.30	76.0	67.9	46.1	14.5	36.1	44.7	32.3	47.5
27	47.3	79.4	51.5	4.90	70.7	53.7	56.7	38.7	39.7	8.70	36.4	60.2
28	64.7	81.5	17.4	3.20	58.1	64.8	14.0	22.9	34.3	11.9	63.2	59.4
29	53.4		21.2	1.80	63.6	74.9	4.60	36.4	30.5	28.5	68.9	53.4
30	63.6		47.3	1.90	64.8	70.6	51.9	29.2	18.2	24.7	64.5	61.9
31	78.3		46.1		52.1		41.4	35.4		30.9		58.3
TOTAL	1 754.9	1 575.1	1 550.6	920.70	1 986.70	1 802.5	1 642.00	925.60	814.00	827.40	985.10	1 932.3
MEAN	56.6	56.3	50.0	30.7	64.1	60.1	53.0	29.9	27.1	26.7	32.8	62.3
MAX	88.4	141	83.6	83.2	99.7	96.8	84.9	69.1	64.5	66.7	68.9	102
MIN	0	19.4	17.4	1.80	3.20	25.4	4.60	3.30	2.90	0	0	16.6

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 45.8
MAXIMUM DAILY, 141 ON FEB 16
MINIMUM DAILY, 0 ON JAN 01

DATA CONTRIBUTED BY -
ONTARIO HYDRO

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 46 54 42 N
LONG 083 12 38 W
DRAINAGE AREA, 4 040 km²

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	152 000	JUL	142 000
FEB	136 000	AUG	80 000
MAR	134 000	SEP	70 300
APR	79 500	OCT	71 500
MAY	172 000	NOV	85 100
JUN	156 000	DEC	167 000

TOTAL DISCHARGE, 1 450 000 da

MISSISSAGUA RIVER BELOW MISSISSAGUA LAKE - STATION NO. 02HH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.99E	4.22	4.13	1.35	10.8	5.69	1.62	2.95	5.10	3.71	3.75	5.50	1
2	9.96E	4.20	4.07	1.56	10.4	5.63	1.58	3.93	4.88	3.64	3.67	5.65	2
3	3.94E	4.18B	4.03	1.98	10.1	5.62	1.55	5.00	4.64	4.62	3.62	5.93	3
4	3.98	4.17B	3.97	2.29	9.69	5.61	1.54	4.21	4.43	6.81	3.60	6.26	4
5	3.94	4.16B	3.90	3.00	9.44	4.39	1.53	4.04	5.17	6.69	3.67	6.31	5
6	3.86	4.16	3.84	3.43	9.06	2.11	1.49	3.93	7.60	6.53	3.89	6.34	6
7	3.79	4.11	3.97	3.87	8.94	2.06	1.46	3.73	7.32	6.39	3.96	6.38	7
8	3.73	4.05	3.94	4.29	8.85	2.04	1.46	3.53	6.92	6.25	4.00	6.40	8
9	3.71	4.08	3.68	4.64	9.66	2.04	1.50	3.41	6.59	6.31	4.03	6.42	9
10	3.70	4.12	3.56	5.08	7.26	2.11	1.36	3.31	6.36	6.17	4.09	6.39	10
11	3.68	4.05	3.49	5.53	5.62	2.09	1.37	3.18	6.00	6.11	4.15	6.35	11
12	3.68	4.04	3.80	5.76	5.58	2.01	1.78	3.08	5.70	6.08	4.19	6.31	12
13	3.64	4.09	2.77	5.99	5.58	2.15	2.26	3.05	5.49	6.09	4.18	6.26	13
14	3.57	4.10	1.88	6.26	5.50	2.11	2.21	2.92	5.31	5.86	4.16	6.16	14
15	3.51	4.16	2.40	6.64	5.45	2.13	2.62	2.85	5.33	5.66	4.16	6.09	15
16	3.44	4.18	2.68	6.90	5.48	2.61	2.62	2.73	5.08	5.47	4.22	6.04	16
17	3.53	4.16	3.31	7.42	5.60	3.71	2.61	2.62	4.81	5.33	4.24	5.93	17
18	3.66	4.12	3.82	10.1	5.83	3.61	2.59	2.63	4.61	5.31	4.23	6.02	18
19	3.64	4.08	4.38	11.8	5.92	3.57	2.58	2.63	4.47	5.23	4.21	5.96	19
20	3.70	4.02	3.70	12.6	6.17	3.46	2.69	2.45	4.46	5.12	4.21	5.87	20
21	3.78	3.97	1.09	12.5	6.43	3.48	2.66	2.34	4.42	4.94	4.23	5.82	21
22	3.85	4.04	1.20	12.0	6.40	2.60	2.64	2.58	4.33	4.82	4.40	5.89	22
23	3.91	4.29	1.66	11.7	6.45	1.74	2.71	3.17	4.26	4.69	4.44	6.21	23
24	4.01	4.26	1.86	11.3	6.49	1.70	2.81	3.11	4.09	4.55	4.50	6.38	24
25	4.06	4.24	2.02	11.8	6.48	1.67	2.59	3.00	3.93	4.44	4.53	6.49	25
26	4.14	4.24	2.31	11.8	6.48	1.63	3.03	2.92	3.88	4.29	4.57	6.56	26
27	4.15	4.27	2.15	11.7	6.38	1.63	3.47	2.85	3.76	4.10	4.84	6.62	27
28	4.12	4.22	1.15	11.6	6.25	1.60	3.36	3.48	3.66	4.11	5.02	6.67	28
29	4.20		1.10	11.5	6.14	1.63	3.27	4.47	3.59	4.02	5.19	7.13	29
30	4.24		1.20	11.3	6.00	1.63	3.18	4.28	3.90	3.91	5.36	7.85	30
31	4.19		1.29		5.83		2.82	4.44		3.83		8.22	31
TOTAL	125.30	115.98	86.55	227.69	219.26	84.06	70.76	102.82	150.09	161.05	127.31	196.40	TOTAL
MEAN	4.04	4.14	2.79	7.59	7.07	2.80	2.28	3.32	5.00	5.20	4.24	6.34	MEAN
MAX	9.96	4.29	4.38	12.6	10.8	5.69	3.47	5.00	7.60	6.81	5.36	8.22	MAX
MIN	3.44	3.97	1.09	1.35	5.45	1.60	1.36	2.34	3.59	3.64	3.60	5.50	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.57
MAXIMUM DAILY, 12.6 ON APR 20
MINIMUM DAILY, 1.09 ON MAR 21
MAXIMUM INSTANTANEOUS,
12.9 AT 23:31 EST ON APR 18

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 40 30 N
LONG 078 20 45 W
DRAINAGE AREA, 326 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	10 800	JUL	6 110
FEB	10 000	AUG	8 880
MAR	7 480	SEP	13 000
APR	19 700	OCT	13 900
MAY	18 900	NOV	11 000
JUN	7 260	DEC	17 000

TOTAL DISCHARGE, 144 000 dam³

MISSISSIPPI RIVER AT APPLETON - STATION NO. 02KF006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	20.4B	31.3B	33.2B	82.2	61.2	42.3	11.5	7.23	7.04	12.0	14.8	22.0	1
2	20.3B	31.2B	32.4B	78.5	64.5	38.3	11.9	7.36	6.22	12.4	15.4	20.2	2
3	20.2B	31.0B	31.8	77.0	67.5	37.9	12.2	7.18	5.60	11.6	15.1	19.5	3
4	20.6B	30.9B	32.0B	72.4	69.7	33.7	11.8	7.43	6.34	12.4	15.2	22.7B	4
5	23.6B	30.8B	31.3B	68.9	74.1	31.4	11.1	7.50	6.18	11.9	14.5	23.6B	5
6	23.9B	30.7	30.5B	66.4	76.2	31.1	10.6	7.62	6.37	11.8	17.0	23.8B	6
7	23.6B	30.2	30.0B	63.6	72.8	28.4	10.3	7.53	5.81	9.36	17.3	24.4B	7
8	23.2B	30.4	29.1B	60.9	69.9	27.2	10.8	7.62	5.59	8.31	16.9	24.7B	8
9	22.4	31.1	28.3	58.9	65.9	26.6	10.6	7.42	6.26	10.3	17.3	24.4B	9
10	21.5	31.9	28.2	57.2	60.0	25.1	9.43	7.00	6.50	15.5	18.1B	24.1B	10
11	22.0	32.4B	28.1	55.3	61.3	23.7	9.05	6.79	5.77	15.4	17.7B	23.9B	11
12	22.0B	32.7	32.2	54.2	59.4	24.3	8.33	6.45	6.35	14.5	17.3B	23.7B	12
13	22.0B	33.7	40.9	55.2	56.5	23.5	8.31	6.66	6.35	15.4	17.2B	23.5B	13
14	21.9B	34.0	50.8	56.6	55.5	21.8	8.43	7.23	7.35	16.6	20.4B	22.6B	14
15	21.9B	33.8	57.3	55.6	50.1	20.6	8.27	7.39	7.50	15.7	20.1	22.5B	15
16	21.9B	33.7B	70.7	56.5	44.2	19.2	8.60	7.15	6.29	14.4	20.0	22.4	16
17	22.5	33.6B	88.3	56.2	46.4	18.6	7.94	7.60	5.75	13.9	17.3	22.3	17
18	24.5	33.5B	102	57.5	50.8	18.3	7.93	7.50	6.06	15.0	18.5	22.5	18
19	24.5B	33.3B	113	56.8	48.0	15.7	7.12	6.62	6.33	15.2	18.1	23.4	19
20	24.4B	33.1B	121	57.8	47.2	15.1	7.71	6.89	6.22	14.1	17.6	23.3B	20
21	24.3B	32.8B	127	58.1	49.7	15.3	7.81	7.20	6.34	14.7	17.4	23.3	21
22	24.1B	32.6	132	57.7	52.0	14.0	7.70	7.40	7.22	14.0	17.6	25.0	22
23	23.9B	34.2	133	56.3	53.2	11.7	8.89	7.59	7.54	13.3	18.7	32.4	23
24	23.6B	34.1	130	54.6	54.2	11.3	9.47	7.51	7.96	13.4	19.4	35.4	24
25	25.4B	34.0B	125	59.9	55.1	11.8	9.19	7.49	8.18	13.6	19.9	37.7B	25
26	31.2	34.0B	119	57.9	55.5	12.9	9.00	7.63	7.51	12.7	18.3	39.3	26
27	31.1	33.8B	113	58.6	54.8	11.4	8.99	7.18	7.39	14.3	19.9	41.1	27
28	32.6	33.8B	108	60.2	53.7	11.2	8.83	7.18	7.66	15.1	21.2	42.8	28
29	32.0B		100	60.6	49.2	11.6	8.86	6.94	7.82	14.4	20.6B	45.8	29
30	31.7B		93.2	60.6	46.6	11.6	8.92	6.57	9.52	15.1	21.0	54.6	30
31	31.5B		86.0		46.5		7.31	6.86		15.0		61.8B	31
TOTAL	758.7	912.6	2 277.3	1 840.2	1 771.7	646.6	286.89	223.92	203.02	421.37	539.8	899.3	TOTAL
MEAN	24.5	32.6	73.5	61.3	57.2	21.6	9.25	7.22	6.77	13.6	18.0	29.0	MEAN
MAX	32.6	34.2	133	82.2	76.2	42.3	12.2	7.63	9.52	16.6	21.2	61.8	MAX
MIN	20.2	30.2	28.1	54.2	44.2	11.2	7.12	6.45	5.59	8.31	14.5	19.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 29.5
MAXIMUM DAILY, 133 ON MAR 23
MINIMUM DAILY, 5.59 ON SEP 08
MAXIMUM INSTANTANEOUS,
135 AT 01:11 EST ON MAR 23

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 10 36 N
LONG 076 07 27 W
DRAINAGE AREA, 2 900 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	65 600	JUL	24 800
FEB	70 800	AUG	19 300
MAR	197 000	SEP	17 500
APR	159 000	OCT	36 400
MAY	153 000	NOV	46 600
JUN	55 900	DEC	77 700

TOTAL DISCHARGE, 932 000 dam³

MISSISSIPPI RIVER AT FERGUSONS FALLS - STATION NO. 02KF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	19.8B	29.7B	31.6B	64.0	83.3	37.1	13.5	9.31	8.49	9.58	14.5	22.0	1
2	19.6B	29.6B	31.1B	61.1	79.8	35.0	13.4	9.05	8.15	9.42	14.5	21.5	2
3	19.4B	29.5B	30.6B	62.1	75.7	33.7	13.1	8.77	8.14	9.45	14.4	21.2	3
4	20.0B	29.3B	30.0B	68.8	71.2	31.6	12.7	8.52	8.10	9.59	14.5	22.9B	4
5	21.9B	29.1B	29.5B	80.3	67.1	29.7	12.2	8.34	7.82	9.68	14.6	24.0B	5
6	22.2B	28.9B	28.8B	89.9	63.8	27.0	11.4	8.59	8.00	9.51	16.3	24.4B	6
7	22.4B	28.7B	28.1B	94.5	62.1	25.7	10.7	8.63	7.72	8.62	17.2	24.6B	7
8	21.9B	29.0B	27.5B	95.7	60.4	25.2	10.4	8.54	7.80	8.41	17.4	25.5	8
9	21.3B	29.5B	26.9B	92.3	59.9	25.0	10.9	8.45	7.73	8.69	17.6	25.8B	9
10	20.8B	31.1B	27.1B	89.0	58.1	24.2	10.8	8.11	7.74	9.11	18.1	25.3B	10
11	20.9B	31.7B	27.9B	88.1	56.6	23.2	10.4	7.88	7.53	9.30	18.6	24.9B	11
12	20.9B	31.9B	31.5B	88.6	53.9	22.4	9.63	7.72	7.86	9.36	18.8	23.9	12
13	21.0B	32.1B	41.0	89.1	51.3	21.1	9.04	7.97	7.79	9.92	18.9	23.5	13
14	21.1B	32.3B	51.6	88.2	49.0	19.5	8.34	8.41	8.18	10.7	18.9	21.4B	14
15	20.8B	32.1B	59.6	88.8	46.5	18.4	8.38	8.34	8.12	10.9	18.4	20.6	15
16	21.5B	31.9B	73.5	89.2	43.5	17.5	8.63	8.38	7.91	10.8	17.7	20.9B	16
17	22.0B	31.8B	93.1	89.9	43.0	17.3	8.54	8.70	7.71	10.6	17.2	21.7B	17
18	23.9B	31.7B	110	90.5	45.7	17.1	8.52	8.75	7.50	11.4	16.6	22.3B	18
19	24.0B	31.5B	122	90.8	46.0	16.3	8.24	8.63	7.36	13.4	15.8	22.9B	19
20	23.9B	31.3B	129	88.8	47.3	15.7	8.72	8.91	7.30	13.9	15.5	23.4B	20
21	23.7B	31.0B	127	88.2	50.6	15.3	9.15	8.94	7.53	13.7	16.0	24.1	21
22	23.5B	31.2B	121	87.8	53.2	15.5	9.23	8.86	7.79	13.2	16.7	26.5	22
23	24.5B	32.2B	114	87.4	55.2	15.3	10.2	8.74	8.08	13.6	17.8	31.6	23
24	27.0B	32.8B	107	86.3	56.4	15.1	10.6	8.58	8.25	13.9	18.6	37.5	24
25	28.5B	32.9B	101	85.6	55.9	15.2	10.7	8.51	8.19	13.7	19.4	40.0	25
26	31.2B	33.0B	95.0	86.0	54.0	15.4	10.8	8.47	8.07	13.5	19.7	42.9	26
27	30.8B	32.6B	89.2	85.9	51.2	14.6	10.7	8.41	7.95	13.7	20.3	44.7	27
28	30.6B	32.5B	82.8	87.3	48.5	14.0	10.4	8.52	7.74	14.0	21.4	46.4	28
29	30.5B		76.1	87.9	45.4	13.5	10.1	8.49	8.01	14.3	21.8	47.8	29
30	30.1B		71.0	86.1	42.8	13.4	9.88	8.51	9.19	14.3	22.0	52.8	30
31	29.9B		67.6		39.9		9.44	8.47		14.6		55.6B	31
TOTAL	739.6	870.9	2 082.1	2 558.2	1 717.3	630.0	318.74	264.50	237.75	354.84	529.3	912.6	TOTAL
MEAN	23.9	31.1	67.2	85.3	55.4	21.0	10.3	8.53	7.93	11.4	17.6	29.4	MEAN
MAX	31.2	33.0	129	95.7	83.3	37.1	13.5	9.31	9.19	14.6	22.0	55.6	MAX
MIN	19.4	28.7	26.9	61.1	39.9	13.4	8.24	7.72	7.30	8.41	14.4	20.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 30.7
MAXIMUM DAILY, 129 ON MAR 20
MINIMUM DAILY, 7.30 ON SEP 20
MAXIMUM INSTANTANEOUS,
130 AT 19:59 EST ON MAR 20

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 03 10 N
LONG 076 17 11 W
DRAINAGE AREA, 2 620 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	63 900	JUL	27 500
FEB	75 200	AUG	22 900
MAR	180 000	SEP	20 500
APR	221 000	OCT	30 700
MAY	148 000	NOV	45 700
JUN	54 400	DEC	78 800

TOTAL DISCHARGE, 969 000 dam³

MISSISSIPPI RIVER BELOW MARBLE LAKE - STATION NO. 02KF016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.31	3.93	3.61B	11.7	9.67	4.72	0.830	0.784	0.619	0.472	1.74	5.75	1
2	4.96	3.90	3.51B	11.6	9.29	4.20	0.840	0.644	0.564	0.460	2.56	5.64	2
3	4.77	3.87	3.47B	12.3	9.16	4.20	0.846	0.563	0.534	0.436	3.09	5.99	3
4	4.77	3.94	3.41B	12.8	9.04	4.15	0.838	0.512	0.526	0.501	3.27	8.37	4
5	4.70	3.86	3.31B	13.3	8.96	3.70	0.793	0.498	0.515	0.528	3.24	8.11	5
6	4.51	3.80	3.23B	13.6	9.12	2.97	0.762	0.514	0.514	0.515	3.59	7.93	6
7	4.41	3.75	3.19B	13.9	8.00	2.68	0.747	0.488	0.510	0.507	3.31	7.77	7
8	4.28	3.72	3.14B	14.0	4.98	2.30	0.765	0.472	0.506	0.513	3.29	7.61	8
9	4.19	3.71	3.04B	13.9	4.32	2.5	0.859	0.453	0.397	0.567	3.18	7.49	9
10	4.26	3.72	3.06B	14.1	4.28	2.2	0.808	0.448	0.407	0.618	3.23	7.33	10
11	4.24	3.63	3.13	14.2	4.30	2.01	0.750	0.447	0.425	0.671	3.28	7.08	11
12	4.20	3.59	3.37	14.0	4.21	1.88	0.724	0.438	0.460	0.686	3.21	6.96	12
13	4.07	3.59	3.48	13.7	4.28	1.37	0.696	0.411	0.477	0.734	3.33	6.91	13
14	3.94	3.69	3.59	13.8	4.36	0.968	0.700	0.532	0.458	0.720	4.36	6.64	14
15	3.90	3.71	3.81	13.9	4.35	0.771	0.810	0.504	0.462	0.798	4.76	6.50	15
16	3.84	3.82	4.49	13.9	4.36	0.680	0.883	0.489	0.417	1.23	4.85	6.48	16
17	3.90	3.76	5.85	13.0	4.79	0.633	0.825	0.488	0.395	1.68	4.81	6.43	17
18	3.96	3.64	7.30	10.1	5.18	0.601	0.789	0.615	0.370	2.06	4.68	8.09B	18
19	3.85	3.64	8.25	9.81	6.42	0.535	0.747	0.812	0.348	2.17	4.94	7.92B	19
20	3.77	3.57	9.10	10.0	7.08	0.510	0.817	0.697	0.333	1.95	6.62	7.57B	20
21	3.81	3.51	9.62	10.4	7.42	0.565	0.853	0.652	0.277	1.96	7.11	7.80B	21
22	3.79	3.66	10.7	10.5	7.37	0.592	0.884	0.978	0.314	1.95	7.06	7.99	22
23	3.80	4.01B	11.5	10.5	7.40	0.604	1.14	2.11	0.325	1.92	6.89	8.49	23
24	3.88	3.81B	11.7	10.5	7.43	0.578	1.61	3.06	0.331	1.91	6.74	8.56	24
25	3.92	4.73B	12.1	10.9	7.33	0.547	2.04	3.25	0.336	1.88	6.68	8.55	25
26	3.95	3.67B	12.4	10.9	7.23	0.568	2.21	3.25	0.352	1.83	6.23	8.68	26
27	3.81	3.69B	12.5	11.1	7.15	0.603	2.25	3.02	0.351	1.77	6.44	8.70	27
28	3.83	3.69B	12.4	11.0	7.01	0.642	2.18	1.83	0.342	1.96	6.36	8.80	28
29	3.86		12.2	11.0	6.68	0.731	2.11	1.14	0.378	1.84	6.01	9.23	29
30	4.05		12.2	10.5	6.52	0.815	1.95	0.825	0.473	1.74	5.86	9.71	30
31	3.96		12.0		6.17		1.20	0.688		1.70		9.80	31
TOTAL	128.51	105.61	213.96	364.91	203.86	49.613	34.256	31.712	12.716	38.276	140.72	238.88	TOTAL
MEAN	4.15	3.77	6.90	12.2	6.58	1.65	1.11	1.02	0.424	1.23	4.69	7.71	MEAN
MAX	5.31	4.73	12.5	14.2	9.67	4.72	2.25	3.25	0.619	2.17	7.11	9.80	MAX
MIN	3.77	3.51	3.04	9.81	4.21	0.510	0.696	0.438	0.277	0.436	1.74	5.64	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.28
MAXIMUM DAILY, 14.2 ON APR 11
MINIMUM DAILY, 0.277 ON SEP 21
MAXIMUM INSTANTANEOUS,
14.8 AT 04:04 EST ON APR 17

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 50 40 N
LONG 077 07 12 W
DRAINAGE AREA, 357 km²

B - ICE CONDITIONS

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	11 100	JUL	2 960
FEB	9 120	AUG	2 740
MAR	18 500	SEP	1 100
APR	31 500	OCT	3 310
MAY	17 600	NOV	12 200
JUN	4 290	DEC	20 600

TOTAL DISCHARGE, 135 000 dam³

MOIRA RIVER NEAR DELORO - STATION NO. 02HL005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.38 B	2.70B	2.08B	6.95	9.47	2.30	1.08	0.163	0.154	0.366	1.33	3.71	1
2	1.63 B	2.82B	1.87B	7.18	8.01	1.95	1.22	0.125	0.146	0.481	1.26	3.53	2
3	1.55 B	2.61B	1.68B	10.3	6.84	1.82	1.07	0.100	0.161	0.463	1.16	3.41	3
4	1.60 B	2.43B	1.53B	14.6	5.92	1.81	0.903	0.095	0.153	0.499	1.07	4.55B	4
5	1.88 B	2.27B	1.41B	17.4	5.28	1.59	0.769	0.096	0.153	0.112	1.07	6.07B	5
6	1.61 B	2.10B	1.31B	17.7	5.24	1.40	0.640	0.092	0.161	0.149	1.84	7.26B	6
7	1.32 B	1.83B	1.23B	16.4	5.64	1.28	0.560	0.082	0.192	0.180	2.53	5.95B	7
8	1.16 B	1.72B	1.18B	13.9	6.01	1.20	0.498	0.065	0.198	0.189	2.74	5.49	8
9	1.08 B	2.84B	1.11B	11.7	5.87	1.17	0.499	0.052	0.196	0.229	2.59	5.02	9
10	1.02 B	4.38B	1.08B	10.9	6.35	1.35	0.485	0.056	0.194	0.504	2.77	4.76B	10
11	1.10 B	3.29B	1.52B	12.3	6.64	1.38	0.446	0.051	0.191	0.707	2.82	4.18B	11
12	1.02 B	2.82B	8.92B	12.7	6.20	1.27	0.402	0.050	0.186	1.07	2.74	3.72B	12
13	0.975B	2.88B	14.2 B	11.8	5.72	1.27	0.323	0.088	0.188	1.17	2.33B	3.50B	13
14	0.940B	2.89B	20.7 B	10.8	5.24	1.22	0.287	0.084	0.199	1.13	2.12B	3.32B	14
15	0.926B	2.50B	21.6 B	11.2	4.77	1.34	0.278	0.077	0.217	1.03	2.10	3.20B	15
16	0.998B	2.56B	25.1 B	11.5	4.49	1.37	0.330	0.111	0.219	0.955	2.34	3.11B	16
17	2.80 B	2.22B	24.5 B	12.0	5.51	1.26	0.341	0.131	0.205	0.840	2.60	3.03B	17
18	7.41 B	1.94B	26.1 B	11.8	7.43	1.16	0.324	0.123	0.209	0.973	2.61	3.26B	18
19	6.90 B	1.71B	23.9 B	10.8	7.47	0.999	0.340	0.116	0.226	1.75	2.40	3.58B	19
20	4.95 B	1.58B	22.4 B	9.93	7.42	0.891	0.337	0.102	0.233	1.71	2.26	3.43B	20
21	3.85 B	1.48B	17.9 B	10.2	8.79	0.888	0.331	0.111	0.229	1.53	2.18	3.31B	21
22	3.05 B	2.84B	16.1 B	10.1	8.39	0.917	0.313	0.112	0.227	1.51	2.26	4.55E	22
23	2.70 B	6.63B	17.0	9.79	7.86	1.06	0.541	0.108	0.243	1.55	2.74	6.50E	23
24	2.42 B	5.10B	16.2	9.33	7.66	1.30	0.817	0.102	0.249	1.33	2.79	9.40E	24
25	3.50 B	4.15B	16.6	12.1	6.56	1.23	0.640	0.100	0.251	1.18	2.76	13.4 E	25
26	5.59 B	3.29B	15.6	14.0	5.60	1.02	0.520	0.110	0.262	1.08	2.72	11.6 E	26
27	5.15 B	2.62B	17.1	13.7	4.69	0.914	0.405	0.106	0.262	0.978	2.93	10.7 E	27
28	4.45 B	2.32B	16.2	13.8	3.98	0.789	0.328	0.150	0.264	1.08	3.91	9.80E	28
29	3.60 B		8.84	12.6	3.43	0.740	0.275	0.226	0.269	1.16	4.23	11.9 E	29
30	3.15 B		7.74	10.9	3.28	0.901	0.220	0.227	0.333	1.24	4.07	14.2 E	30
31	2.84 B		7.07		2.67		0.209	0.169		1.26		16.7 E	31
TOTAL	82.549	79.52	348.97	358.38	188.33	37.789	15.731	3.380	6.370	28.405	73.27	196.14	TOTAL
MEAN	2.66	2.84	11.3	11.9	6.08	1.26	0.508	0.109	0.212	0.916	2.44	6.33	MEAN
MAX	7.41	6.63	26.1	17.7	9.47	2.30	1.22	0.227	0.333	1.75	4.23	16.7	MAX
MIN	0.926	1.48	1.08	6.95	2.67	0.740	0.209	0.050	0.146	0.112	1.07	3.03	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.89
MAXIMUM DAILY, 26.1B ON MAR 18
MINIMUM DAILY, 0.050 ON AUG 12
MAXIMUM INSTANTANEOUS
27.4B AT 10:31 EST ON MAR 16

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 30 00 N
LONG 077 37 03 W
DRAINAGE AREA, 308 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	7 130	JUL	1 360
FEB	6 870	AUG	292
MAR	30 200	SEP	550
APR	31 000	OCT	2 450
MAY	16 300	NOV	6 330
JUN	3 260	DEC	16 900

TOTAL DISCHARGE, 123 000 dam³

MOIRA RIVER NEAR FOXBORO - STATION NO. 02HL001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	16.7	35.5	37.6	75.0	76.4	27.0	9.61	4.38	1.68	1.98	9.04	23.7	1
2	17.0	34.3	34.9	71.8	70.4	24.7	9.42	3.89	1.55	1.78	8.74	24.1	2
3	17.9	28.3	33.5	73.0	61.6	22.9	8.97	3.56	1.41	1.64	8.80	24.4	3
4	18.7	32.3	31.7	80.3	54.0	21.6	8.38	3.30	1.29	1.84	8.54	27.1	4
5	20.5	31.2	29.8	91.4	49.2	20.1	8.22	3.23	1.31	2.28	8.68	30.0	5
6	22.0	29.8	28.1	102	45.7	18.8	7.59	3.47	1.32	2.23	9.41	34.0	6
7	22.6	28.5	26.0	107	43.5	17.7	6.81	3.53	1.34	2.16	10.2	37.3	7
8	22.0	27.4	24.2	107	43.1	16.5	6.30	3.26	1.26	2.01	11.2	38.8	8
9	22.6	29.0	23.0	103	42.3	15.9	6.62	3.07	1.15	2.23	12.1	39.2	9
10	22.4	36.5	22.0	98.5	42.3	15.7	6.21	2.93	1.10	2.77	13.4	38.8	10
11	22.0	36.3	23.3	100	43.0	15.2	5.71	2.85	1.14	3.09	14.2	37.1	11
12	21.9	35.1	46.3	103	43.5	14.6	5.25	2.71	1.04	4.23	15.2	35.9	12
13	21.0	33.8	68.6	101	44.3	14.0	4.80	3.33	1.03	8.59	15.6	35.1	13
14	20.5	37.8	87.4	98.8	43.5	13.6	4.50	4.03	0.979	9.65	15.6	32.4	14
15	19.9	38.8	106	96.9	42.0	12.7	4.44	3.92	1.02	9.23	15.6	33.1	15
16	19.1	37.4	126	95.6	39.9	10.5	4.64	3.60	1.10	8.60	15.9	32.9	16
17	19.2	37.4	144	94.6	39.4	11.3	4.54	3.45	1.05	8.05	16.7	32.9	17
18	30.2	36.8	158	92.9	41.8	12.1	4.39	3.36	1.01	8.16	16.6	33.8	18
19	34.7	33.6	164	89.1	44.9	12.4	4.40	3.37	0.926	9.06	16.5	37.4	19
20	37.2	30.3B	163	84.7	47.7	11.0	4.55	3.09	0.874	9.28	16.3	39.0	20
21	36.8	30.4	156	82.4	51.1	10.1	4.39	2.87	0.862	9.24	16.2	41.7	21
22	35.1	29.3	146	79.5	52.6	9.74	4.17	2.66	0.850	9.21	16.7	47.3	22
23	33.8	27.6	136	77.8	52.9	9.86	4.93	2.58	0.857	9.17	17.6	61.0	23
24	33.0	44.7	128	75.5	51.7	10.3	5.37	2.46	0.849	9.13	18.5	78.9	24
25	33.5	47.8	121	75.3	49.7	10.4	5.49	2.40	0.878	9.02	19.4	102 B	25
26	37.7	47.5	116	79.1	47.2	10.0	5.58	2.32	0.905	8.65	19.9	129 B	26
27	39.8	44.7	108	85.2	43.7	9.70	5.37	1.52	0.953	8.04	20.5	140 B	27
28	40.6	41.2	100	88.4	40.2	9.11	5.13	1.76	1.08	8.51	21.0	124 B	28
29	40.1		92.3	86.7	36.6	8.91	4.84	1.93	1.27	8.74	21.9	106	29
30	38.8		85.1	81.8	32.8	9.40	4.53	2.12	1.74	8.83	23.2	114	30
31	37.3		79.9		29.4		4.75	1.92		9.02		128	31
TOTAL	855.6	993.3	2 645.7	2 677.3	1 446.4	425.82	179.90	92.87	33.823	196.42	453.21	1 738.9	TOTAL
MEAN	27.6	35.5	85.3	89.2	46.7	14.2	5.80	3.00	1.13	6.34	15.1	56.1	MEAN
MAX	40.6	47.8	164	107	76.4	27.0	9.61	4.38	1.74	9.65	23.2	140	MAX
MIN	16.7	27.4	22.0	71.8	29.4	8.91	4.17	1.52	0.849	1.64	8.54	23.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 32.2
MAXIMUM DAILY, 164 ON MAR 19
MINIMUM DAILY, 0.849 ON SEP 24
MAXIMUM INSTANTANEOUS
165 AT 00:28 EST ON MAR 20

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 15 14 N
LONG 077 25 10 W
DRAINAGE AREA, 2 620 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	73 900	JUL	15 500
FEB	85 800	AUG	8 020
MAR	229 000	SEP	2 920
APR	231 000	OCT	17 000
MAY	125 000	NOV	39 200
JUN	36 800	DEC	150 000

TOTAL DISCHARGE, 1 010 000 dam³

MOJIKIT LAKE RESERVOIR AT MOJIKIT LAKE - STATION NO. 04GB003

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	324.990	324.930	324.890	---	---	326.140	325.610	---	325.300	324.930	324.800	324.970	1
2	324.980	324.920	324.890	---	---	326.170	325.600	---	325.280	324.900	324.830	324.970	2
3	324.980	324.930	324.890	---	---	326.250	325.610	---	325.270	324.870	324.850	324.970	3
4	324.970	324.930	324.890	---	---	326.270	325.620	---	325.300	324.890	324.870	324.970	4
5	324.970	324.930	324.890	---	325.130	325.990	325.620	---	325.290	324.880	324.850	324.970	5
6	324.960	324.920	324.890	---	325.150	325.590	325.610	---	325.280	324.870	324.860	324.970	6
7	324.960	324.920	324.890	---	325.180	325.440	325.610	---	325.260	324.860	324.880	324.980	7
8	324.950	324.920	324.880	---	325.210	325.570	325.620	---	325.240	324.850	324.870	324.980	8
9	324.950	324.910	324.880	---	325.250	325.560	325.640	---	325.220	324.850	324.880	324.990	9
10	324.960	324.910	324.880	---	325.290	325.560	325.640	---	325.230	324.840	324.840	324.980	10
11	324.960	324.910	324.880	---	325.320	325.550	325.640	---	325.190	324.830	324.830	324.990	11
12	324.950	324.910	324.880	---	325.360	325.540	325.640	---	325.140	324.830	324.860	324.990	12
13	324.950	324.910	324.880	---	325.390	325.540	325.630	---	325.130	324.820	324.850	324.990	13
14	324.950	324.910	324.880	---	325.430	325.540	325.620	---	325.130	324.810	324.870	324.990	14
15	324.940	324.910	---	---	325.480	325.530	325.610	---	325.120	324.800	324.880	324.990	15
16	324.940	324.910	---	---	325.520	325.530	325.540	---	325.100	324.800	324.890	325.000	16
17	324.940	324.900	---	---	325.580	325.530	325.520	---	325.090	---	324.890	325.000	17
18	324.940	324.900	---	---	325.640	325.570	325.520	---	325.070	---	324.900	325.010	18
19	324.940	324.900	---	---	325.680	325.580	325.530	---	325.070	---	324.910	325.010	19
20	324.940	324.900	---	---	325.730	325.580	325.530	---	325.050	---	324.910	325.010	20
21	324.930	324.900	---	---	325.770	325.590	325.580	---	325.030	---	324.930	325.010	21
22	324.930	324.900	---	---	325.810	325.600	325.620	---	325.040	---	324.940	325.010	22
23	324.930	324.900	---	---	325.860	325.600	325.610	---	325.040	---	324.950	325.010	23
24	324.940	324.900	---	---	325.900	325.600	325.620	---	325.020	---	324.950	325.010	24
25	324.930	324.900	---	---	325.940	325.600	325.620	---	325.010	---	324.950	325.010	25
26	324.930	324.890	---	---	325.980	325.600	325.630	---	324.990	---	324.950	325.010	26
27	324.930	324.900	---	---	326.020	325.600	325.610	---	324.960	---	324.950	325.000	27
28	324.920	324.900	---	---	326.060	325.600	325.630	325.360	324.950	---	324.960	325.000	28
29	324.920		---	---	326.080	325.610	325.630	325.350	324.940	---	324.970	325.010	29
30	324.930		---	---	326.110	325.610	325.630	325.330	324.930	---	324.970	325.010	30
31	324.930		---		326.130		325.610	325.310		---		325.010	31
MEAN	324.946	324.910	---	---	---	325.668	325.605	---	325.122	---	324.895	324.994	MEAN
MAX	324.990	324.930	---	---	---	326.270	325.640	---	325.300	---	324.970	325.010	MAX
MIN	324.920	324.890	---	---	---	325.440	325.520	---	324.930	---	324.800	324.970	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 38 15 N
LONG 088 12 30 W
DATA CONTRIBUTED BY -
ONTARIO HYDRO

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

MONTREAL RIVER AT LOWER NOTCH GENERATING STATION - STATION NO. 02JD010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	76.2	51.3	90.0	298	220	0	64.8	11.4	63.6	131	133	1
2	45.8	87.7	47.7	119	249	141	18.1	71.4	0	28.4	122	119	2
3	84.2	75.0	2.40	76.0	257	138	132	69.6	0	77.1	133	158	3
4	79.2	0	0	83.4	224	158	153	19.6	42.4	74.7	115	162	4
5	133	66.7	56.2	71.5	196	158	149	14.5	65.9	87.5	115	148	5
6	23.8	69.7	46.3	77.0	140	125	137	5.50	30.0	10.9	117	174	6
7	8.60	78.5	38.4	70.5	103	134	93.6	56.0	28.4	2.80	116	168	7
8	77.1	80.4	36.6	64.5	107	140	91.4	79.6	11.7	7.90	103	135	8
9	92.2	77.4	33.2	56.3	118	143	131	77.1	0	62.4	105	111	9
10	82.9	36.4	1.60	71.8	134	74.6	95.7	60.3	29.3	28.9	103	128	10
11	60.0	28.3	0	66.9	152	102	156	37.4	42.7	41.7	108	137	11
12	74.9	85.7	80.4	63.9	150	84.2	121	2.50	76.2	45.8	103	139	12
13	27.7	71.6	52.8	67.0	127	94.2	117	63.8	43.6	8.00	101	156	13
14	31.9	95.1	28.8	67.5	134	99.2	71.3	56.8	30.8	2.80	85.0	137	14
15	60.1	74.9	34.7	28.5	92.5	101	60.1	71.0	3.40	40.8	82.5	104	15
16	65.1	167	59.9	99.2	90.2	51.1	120	76.8	0	50.8	87.3	76.5	16
17	96.7	12.4	40.5	98.7	113	25.8	117	104	17.2	71.1	82.0	123	17
18	113	1.60	39.8	79.7	187	55.5	108	0	8.40	72.1	76.6	122	18
19	80.9	61.3	126	46.0	195	76.1	119	6.40	30.4	115	75.6	112	19
20	60.1	73.3	81.6	57.7	199	95.9	107	36.7	3.60	57.8	92.8	120	20
21	48.7	61.8	91.0	118	227	96.0	38.6	18.4	22.6	109	87.4	109	21
22	77.5	64.9	94.1	64.2	220	35.7	45.6	38.8	5.50	182	76.2	88.5	22
23	72.7	61.9	86.7	83.8	226	4.40	87.3	72.9	4.70	180	91.7	85.3	23
24	74.5	42.2	76.8	159	211	16.3	126	0.600	28.1	193	28.3	118	24
25	65.2	0	32.1	212	222	75.7	21.8	0	13.0	199	9.60	45.0	25
26	123	116	127	227	260	101	29.9	1.40	26.6	199	103	86.4	26
27	29.7	72.8	101	261	295	125	63.2	56.0	28.6	198	104	122	27
28	56.8	59.8	59.0	290	244	224	28.4	12.6	17.8	199	96.4	125	28
29	103		68.1	287	246	236	0	94.2	10.7	198	109	75.3	29
30	69.1		71.2	276	235	94.1	73.5	36.5	0	149	139	63.4	30
31	81.3		60.4		242		50.9	47.0		139		112	31
TOTAL	2 098.70	1 798.60	1 726.60	3 433.1	5 889.7	3 244.80	2 662.4	1 352.200	633.00	2 892.10	2 898.50	3 712.4	TOTAL
MEAN	67.7	64.2	55.7	114	190	108	85.9	43.6	21.1	93.3	96.6	120	MEAN
MAX	133	167	127	290	298	236	156	104	76.2	199	139	174	MAX
MIN	0	0	0	28.5	90.2	4.40	0	0	0	2.80	9.60	45.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 88.6
MAXIMUM DAILY, 298 ON MAY 01
MINIMUM DAILY, 0 ON JAN 01

DATA CONTRIBUTED BY -
ONTARIO HYDRO

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 47 08 15 N
LONG 079 27 15 W
DRAINAGE AREA, 6 600 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	181 000	JUL	230 000
FEB	155 000	AUG	117 000
MAR	149 000	SEP	54 700
APR	297 000	OCT	250 000
MAY	509 000	NOV	250 000
JUN	280 000	DEC	321 000

TOTAL DISCHARGE, 2 790 000 dam³

MONTREAL RIVER AT MOUNTAIN CHUTES - STATION NO. 02JD009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	19.4	17.3	17.0	57.5	238	112	106	34.3	18.8	26.2	107	92.5	1
2	19.1	17.1	17.0	57.9	228	104	108	33.7	18.3	27.6	96.0	92.5	2
3	19.1	19.6	16.8	58.1	208	101	105	32.7	18.2	28.3	92.9	92.0	3
4	19.6	20.8	16.9	58.0	167	97.2	99.5	30.8	18.8	30.5	91.9	92.1	4
5	22.4	20.9	16.8	56.4	157	87.9	98.2	30.7	19.5	32.5	88.5	90.9	5
6	24.9	22.2	16.7	57.4	153	84.8	96.6	29.7	19.1	33.2	87.0	89.3	6
7	26.3	23.2	16.8	57.3	148	83.1	93.6	29.5	18.9	33.4	84.6	87.8	7
8	27.0	23.8	16.7	56.5	142	79.5	91.4	29.1	18.8	33.3	83.4	85.9	8
9	27.5	24.1	16.7	55.8	132	72.7	88.7	28.9	18.0	32.8	80.8	83.4	9
10	27.7	23.2	16.9	55.4	113	68.5	87.1	28.8	17.6	32.1	77.5	81.1	10
11	27.5	22.0	17.0	55.1	115	64.0	88.2	27.9	17.1	32.8	76.1	78.2	11
12	26.4	21.2	18.5	54.5	117	60.3	82.5	26.7	16.9	34.2	74.5	76.1	12
13	25.5	21.1	20.7	53.5	116	55.7	78.8	26.6	17.3	37.1	68.3	74.8	13
14	24.9	20.8	22.4	53.1	113	53.6	76.6	26.2	18.9	38.2	64.8	71.6	14
15	24.5	20.6	24.6	54.0	110	52.4	74.2	25.9	20.1	39.5	67.1	66.4	15
16	23.2	20.6	27.4	54.7	109	51.9	71.3	25.3	20.3	39.6	69.0	62.3	16
17	21.3	20.6	33.0	57.4	108	51.5	66.2	24.7	20.3	44.0	69.5	60.4	17
18	20.1	20.3	39.3	57.4	122	52.5	64.2	25.3	19.0	56.0	68.7	60.0	18
19	19.3	20.3	47.1	57.6	166	51.4	62.3	24.8	18.1	77.9	66.6	60.4	19
20	19.0	20.2	51.9	60.2	199	49.9	59.4	24.4	17.8	97.1	65.6	59.8	20
21	18.7	20.0	55.1	66.7	206	49.0	53.0	23.9	17.3	107	63.3	59.2	21
22	18.6	20.1	56.1	76.0	203	48.2	49.0	23.6	18.0	111	68.4	58.8	22
23	18.5	20.0	56.5	93.1	202	49.0	45.1	23.2	20.1	113	69.1	57.9	23
24	18.6	19.2	54.9	177	210	54.9	40.0	23.0	20.9	115	73.3	56.6	24
25	18.7	18.3	54.9	157	199	64.6	37.1	22.8	22.9	117	74.3	55.1	25
26	19.0	17.7	56.6	200	192	75.2	35.4	22.8	26.2	117	69.6	53.6	26
27	18.7	17.5	57.8	227	184	80.6	34.3	24.1	26.9	115	71.0	52.2	27
28	18.6	17.2	58.6	266	172	82.4	32.5	24.4	26.6	116	91.7	50.3	28
29	18.5		58.0	260	154	85.0	32.8	27.9	25.9	114	87.7	48.5	29
30	18.3		57.8	249	142	94.1	34.9	22.3	26.0	112	91.2	47.1	30
31	18.1		57.2		123		34.6	19.8		111		45.2	31
TOTAL	669.0	569.9	1 093.7	2 849.4	4 948	2 116.9	2 126.5	823.8	602.6	2 054.3	2 339.4	2 142.0	TOTAL
MEAN	21.6	20.4	35.3	95.0	160	70.6	68.6	26.6	20.1	66.3	78.0	69.1	MEAN
MAX	27.7	24.1	58.6	266	238	112	108	34.3	26.9	117	107	92.5	MAX
MIN	18.1	17.1	16.7	53.1	108	48.2	32.5	19.8	16.9	26.2	63.3	45.2	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 61.2
MAXIMUM DAILY, 266 ON APR 28
MINIMUM DAILY, 16.7 ON MAR 06
MAXIMUM INSTANTANEOUS,
268 AT 11:56 EST ON APR 28

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 38 21 N
LONG 080 11 28 W
DRAINAGE AREA, 4 300 km²

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	57 800	JUL	184 000
FEB	49 200	AUG	71 200
MAR	94 500	SEP	52 100
APR	246 000	OCT	177 000
MAY	428 000	NOV	202 000
JUN	183 000	DEC	185 000

TOTAL DISCHARGE, 1 930 000 dam³

MONTREAL RIVER NEAR MONTREAL RIVER HARBOUR - STATION NO. 02BE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	31.7	29.6	0	64.8	69.9	20.7	33.6	0	57.5	75.9	26.8	1
2	20.7	43.6	38.9	53.9	58.6	62.6	22.1	23.9	0	27.6	56.1	26.8	2
3	21.0	36.0	17.8	42.8	49.0	61.7	56.0	23.9	0	51.8	45.0	29.6	3
4	16.8	18.7	15.9	56.8	43.9	76.5	58.5	24.8	34.8	33.1	63.1	59.6	4
5	23.6	17.1	31.3	54.7	0	75.9	57.5	11.6	34.4	26.1	75.6	51.5	5
6	16.8	16.1	50.5	50.3	0	66.7	50.5	0	28.5	0	58.5	54.2	6
7	0	16.1	50.3	15.1	57.8	71.8	30.4	31.3	29.6	0	56.6	52.7	7
8	19.5	16.1	37.8	0	61.7	64.1	40.6	38.5	0	19.7	64.1	25.5	8
9	17.7	16.8	37.0	57.5	58.6	26.8	59.6	32.3	12.6	42.8	61.4	30.6	9
10	28.0	21.9	0	53.5	58.6	35.5	58.6	40.6	27.6	43.6	65.1	56.4	10
11	25.1	25.9	0	55.8	55.6	64.7	66.5	0	42.8	40.6	66.0	47.0	11
12	34.4	30.4	15.1	52.7	18.1	69.7	97.3	0	34.8	28.5	67.3	59.9	12
13	25.1	27.8	23.1	13.5	0	74.9	94.2	40.6	40.1	0	68.8	53.2	13
14	13.9	21.1	31.3	12.0	62.6	77.9	40.4	46.2	33.8	0	68.8	49.6	14
15	17.4	32.3	16.4	0	57.5	73.3	51.0	31.7	0	0	51.5	30.4	15
16	18.4	47.0	59.9	62.3	57.5	66.0	55.2	37.4	14.2	26.9	53.2	60.2	16
17	17.0	31.3	0	47.0	61.7	73.6	73.9	35.3	37.9	55.1	21.8	68.8	17
18	25.8	18.1	0	55.2	81.0	78.2	56.1	0	41.1	56.1	39.1	61.4	18
19	27.0	22.4	42.8	58.9	66.8	83.7	63.0	13.0	33.4	51.5	51.0	56.6	19
20	22.5	22.2	40.6	47.7	47.0	79.9	53.8	36.5	39.5	17.3	47.0	66.0	20
21	17.1	20.5	37.8	14.3	26.1	67.3	45.9	33.4	25.1	0	52.7	45.4	21
22	28.7	21.8	36.0	0	55.5	69.7	39.4	38.9	0	50.0	48.1	24.8	22
23	37.7	21.8	49.1	69.9	56.8	67.7	67.1	28.6	0	64.7	53.2	26.8	23
24	21.8	20.1	18.3	60.5	74.5	73.3	63.1	34.1	40.9	65.1	24.8	36.1	24
25	27.6	20.5	15.9	53.2	71.1	73.6	61.7	21.5	34.1	67.5	30.6	0	25
26	17.8	23.9	40.6	59.6	54.2	73.6	61.2	0	32.3	68.8	57.5	22.5	26
27	24.2	28.6	54.1	44.7	59.6	70.8	58.6	49.3	45.0	64.8	62.3	45.8	27
28	28.3	29.6	55.8	19.0	68.0	77.0	40.9	36.1	34.5	67.3	66.0	45.0	28
29	18.3		53.2	14.7	67.5	54.8	49.3	40.6	0	57.5	64.1	0	29
30	31.3		49.3	47.0	69.4	34.1	50.7	36.0	0	77.6	45.9	18.3	30
31	23.9		0		75.9		31.7	29.3		64.1		56.8	31
TOTAL	668.2	699.4	968.4	1 172.6	1 639.4	2 015.3	1 599.5	849.0	697.0	1 225.6	1 661.1	1 282.3	TOTAL
MEAN	21.6	25.0	31.2	39.1	52.9	67.2	51.6	27.4	23.2	39.5	55.4	41.4	MEAN
MAX	37.7	47.0	59.9	69.9	81.0	83.7	73.9	49.3	45.0	77.6	75.9	68.8	MAX
MIN	0	16.1	0	0	0	26.8	20.7	0	0	0	21.8	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 39.7
MAXIMUM DAILY, 83.7 ON JUN 19
MINIMUM DAILY, 0 ON JAN 01

DATA CONTRIBUTED BY -
GREAT LAKES POWER COMPANY LIMITED

REMARKS - PRIOR TO 1980 PUBLISHED AS "MONTREAL RIVER AT RAILWAY BRIDGE".

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 47 12 50 N
LONG 084 37 10 W
DRAINAGE AREA, 2 880 km²

REGULATED SINCE 1935

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	57 700	JUL	138 000
FEB	60 400	AUG	73 400
MAR	83 700	SEP	60 200
APR	101 000	OCT	106 000
MAY	142 000	NOV	144 000
JUN	174 000	DEC	111 000

TOTAL DISCHARGE, 1 250 000 dam³

MOON RIVER AT HIGHWAY NO. 69 - STATION NO. 02EB011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.70E	32.2	6.32	109	11.8	42.2	0.395	0.746	1.18	1.12	1.28	131
2	1.80E	31.1	5.63	109	11.0	40.8	0.415	0.753	1.17	1.08	1.29	132
3	1.82E	29.2	6.40	114	11.3	38.3	0.437	0.760	1.17	0.964	1.32	135
4	2.55E	27.5 B	7.15	116	12.5	31.0	0.397	0.775	1.21	0.946	1.34	135
5	2.75E	25.8 B	7.89	118	12.7	9.21	0.376	0.840	1.23	0.817	1.48	130
6	2.63E	24.1 B	8.02	119	12.7	5.94	0.365	0.836	1.22	0.740	3.60	130
7	2.53E	23.1	9.05	118	13.0	2.37	0.354	0.834	1.21	0.702	3.92	129
8	2.49E	21.5	9.22	115	14.7	1.90	0.373	0.848	1.19	0.692	3.38	124
9	2.53E	18.6	8.90	113	15.0	1.94	0.460	0.854	1.18	0.800	3.14	119
10	2.50E	18.3	13.9	112	14.5	1.89	0.449	0.874	1.19	0.864	3.14	113
11	2.45E	18.0	12.0	111	13.9	1.84	0.445	0.872	1.18	0.865	3.18	107
12	2.37A	23.0	17.8	109	14.1	1.80	0.428	0.887	1.17	4.94	3.12	101
13	2.16	34.0	33.8	108	14.7	1.82	0.403	0.917	1.16	26.6	2.89	77.9
14	2.16	33.3	42.6	105	15.0	1.77	0.390	0.907	1.17	25.9	2.70	33.3
15	2.07	32.3	65.1	104	15.1	1.03	0.441	0.910	1.19	24.8	2.55	31.3
16	1.94	29.2	72.9	102	15.2	0.620	0.469	0.948	1.07	20.3	2.58	30.7
17	2.23	23.3	78.7	102	16.7	0.525	0.466	0.984	1.04	12.3	2.76	30.0
18	3.49	24.0	84.3	97.6	17.5	0.504	0.543	0.990	1.05	3.61	2.66	29.9
19	3.81	20.5	93.7	89.0	15.0	0.481	0.526	0.989	1.06	2.72	2.50	29.6
20	3.54	17.2	104	66.1	13.6	0.385	0.616	0.994	1.07	2.08	2.40	26.1
21	3.35	19.2	106	20.3	13.2	0.358	0.625	1.05	1.08	1.69	2.36	10.6
22	3.25	20.4	109	17.8	13.2	0.348	0.589	1.06	1.07	1.50	3.98	5.18
23	3.10	25.5	113	17.5	16.9	0.387	0.587	1.06	1.13	1.37	5.20	5.21
24	3.00	24.9	114	16.9	43.4	0.420	0.600	1.07	1.09	1.30	4.94	5.27
25	3.05	22.8	115	13.6	51.6	0.390	0.611	1.08	1.10	1.26	4.76	5.16
26	4.11	19.5	116	13.9	56.8	0.374	0.615	1.10	1.13	1.21	4.43	5.21
27	10.6	11.5	116	13.7	55.4	0.362	0.619	1.12	1.12	1.19	6.31	5.25
28	9.80	9.97	115	13.2	53.5	0.347	0.629	1.13	1.11	1.23	23.7	5.08
29	9.29		113	12.5	51.8	0.354	0.644	1.12	1.12	1.24	76.2	7.75
30	12.3		112	12.3	49.5	0.375	0.727	1.14	1.18	1.27	114	28.2
31	30.9		111	12.4	46.0		0.773	1.17		1.29		26.1
TOTAL	142.27	659.97	1 927.38	2 288.3	731.3	190.040	15.767	29.618	34.34	147.390	297.11	1 883.31
MEAN	4.59	23.6	62.2	76.3	23.6	6.33	0.509	0.955	1.14	4.75	9.90	60.8
MAX	30.9	34.0	116	119	56.8	42.2	0.773	1.17	1.23	26.6	114	135
MIN	1.70	9.97	5.63	12.3	11.0	0.347	0.354	0.746	1.04	0.692	1.28	5.08

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 22.9
MAXIMUM DAILY, 135 ON DEC 03
MINIMUM DAILY, 0.347 ON JUN 28
MAXIMUM INSTANTANEOUS,
139 AT 02:06 EST ON DEC 04

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 03 48 N
LONG 079 47 12 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	12 300	JUL	1 360
FEB	57 000	AUG	5 560
MAR	167 000	SEP	5 970
APR	198 000	OCT	15 700
MAY	63 200	NOV	25 700
JUN	16 400	DEC	163 000

TOTAL DISCHARGE, 722 000 dam³

MOOREFIELD CREEK NEAR ROTHSAY - STATION NO. 02GA042

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.212B	0.745B	0.275B	---	---	---	---	---	---	---	0.255	1.49
2	0.195B	0.955	---	---	---	---	---	---	---	---	0.229	1.06
3	0.238B	0.835B	---	---	---	---	---	---	---	---	0.207	0.857
4	0.300B	0.660B	---	---	---	---	---	---	---	---	0.274	1.11 B
5	0.640B	0.500B	---	---	---	---	---	---	---	---	8.40	1.12 B
6	0.900B	0.454	---	---	---	---	---	---	---	---	11.7	0.998
7	0.790B	0.417	---	---	---	---	---	---	---	---	4.77	0.863
8	0.730B	0.594	---	---	---	---	---	---	---	---	2.49	0.767
9	0.548	5.14	---	---	---	---	---	---	---	---	1.67	0.720
10	0.484	6.35 B	---	---	---	---	---	---	---	---	1.57	0.757
11	0.430	3.28 B	---	---	---	---	---	---	---	---	1.29	0.719
12	0.395B	1.51 B	---	---	---	---	---	---	---	---	1.03	0.702
13	0.370B	1.04	---	---	---	---	---	---	---	---	0.948	2.70 B
14	0.353	1.84	---	---	---	---	---	---	---	---	0.934	2.18 B
15	0.335	1.40 B	---	---	---	---	---	---	---	---	1.94	1.30
16	0.329	1.45	---	---	---	---	---	---	---	---	4.06	0.900
17	0.945	0.632B	---	---	---	---	---	---	---	---	2.70	0.747
18	8.48 B	0.500B	---	---	---	---	---	---	---	---	1.35	1.29
19	8.59 B	0.439	---	---	---	---	---	---	---	---	0.895	1.97 B
20	4.54 B	0.401	---	---	---	---	---	---	---	---	0.709	1.07 B
21	2.07	0.320B	---	---	---	---	---	---	---	---	0.641	1.02
22	1.30	0.846	---	---	---	---	---	---	---	---	3.85	5.15
23	0.935B	3.57	---	---	---	---	---	---	---	---	7.26	5.54
24	0.836	1.48 B	---	---	---	---	---	---	---	---	4.06	2.10 B
25	0.907	1.26 B	---	---	---	---	---	---	---	---	2.66	1.85 B
26	1.52	0.713B	---	---	---	---	---	---	---	---	1.73	1.38 B
27	1.35 B	0.548	---	---	---	---	---	---	---	---	6.15	0.782
28	2.06 B	0.395	---	---	---	---	---	---	---	---	11.8	0.600
29	1.61 B		---	---	---	---	---	---	---	---	6.88	11.5
30	1.02 B		---	---	---	---	---	---	---	---	2.73	19.5
31	0.760B		---	---	---	---	---	---	---	---		7.46
TOTAL	44.172	39.274	---	---	---	---	---	---	---	---	95.182	80.202
MEAN	1.42	1.40	---	---	---	---	---	---	---	---	3.17	2.59
MAX	8.59	6.35	---	---	---	---	---	---	---	---	11.8	19.5
MIN	0.195	0.320	---	---	---	---	---	---	---	---	0.207	0.600

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 49 00 N
LONG 080 43 01 W
DRAINAGE AREA, 58.9 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 820	JUL	---
FEB	3 390	AUG	---
MAR	---	SEP	---
APR	---	OCT	---
MAY	---	NOV	8 220
JUN	---	DEC	6 930

MOOSE CREEK AT LEVACK - STATION NO. 02CF013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.042B	0.365B	0.320B	0.935B	0.963	0.835E	1.14	0.756	0.031	0.041	0.035	0.381	1
2	0.041B	0.347B	0.230B	0.890B	0.908	0.983	0.919	1.04	0.029	0.078	0.035	0.262	2
3	0.042B	0.335B	0.100B	0.920B	0.895	0.832	0.844	1.06	0.030	0.047	0.035	0.250B	3
4	0.042B	0.320B	0.070B	1.06 B	0.835	0.868	0.768E	1.18	0.046	0.070	0.036	0.240B	4
5	0.041B	0.305B	0.060B	1.05 B	0.775E	0.775	0.692E	1.12	0.047	0.196	0.036	0.235B	5
6	0.041B	0.300B	0.040B	1.02 B	0.750E	0.730E	0.639	0.925	0.041	0.165	0.104	0.226B	6
7	0.040B	0.305B	0.034B	0.990B	0.730E	0.660E	0.634	0.917	0.097	0.061	0.113	0.222B	7
8	0.039B	0.320B	0.027B	0.965B	0.958	0.750E	0.677	0.925	0.074	0.039	0.109B	0.215B	8
9	0.039B	0.335B	0.026B	0.950B	0.906	0.960E	0.641	0.934	0.061	0.035	0.106B	0.211B	9
10	0.039B	0.330B	0.026B	1.20 B	1.01	0.890E	0.631	0.530	0.056	0.066	0.104B	0.206B	10
11	0.400B	0.320B	0.026B	1.43	0.919	0.790E	0.686	0.470	0.037	0.136	0.101B	0.202B	11
12	0.360B	0.310B	0.037B	1.11	0.897	0.700E	0.712	0.481	0.045	0.077	0.098B	0.225B	12
13	0.328B	0.330B	0.100B	0.974	0.857	0.857	0.735	0.504	0.063	0.044	0.096B	0.209B	13
14	0.300B	0.320B	0.200B	0.876	0.815	0.842	0.863	0.437	0.123	0.040	0.093B	0.201B	14
15	0.271B	0.306B	0.500B	0.833	0.675	0.808	0.881	0.414	0.102	0.054	0.091B	0.195B	15
16	0.265B	0.296B	1.30 B	0.884	0.936	0.780	0.856	0.340	0.241	0.041	0.529	0.189B	16
17	0.280B	0.286B	0.600B	0.831	1.79	0.836	0.660	0.317	0.242	0.067	0.383	0.350B	17
18	0.350B	0.278B	0.430B	0.816	2.71	0.848	0.323	0.330	0.103	0.112	0.309	0.290B	18
19	0.510B	0.272B	0.300B	0.821	1.54	0.841	0.783	0.316	0.039	0.077	0.295	0.315B	19
20	0.485B	0.259B	0.330B	0.849	1.23	0.789	0.891	0.319	0.032	0.056	0.342	0.665B	20
21	0.460B	0.270B	0.360B	0.954	1.05	0.800	0.634	0.324	0.045	0.055	0.466	0.630B	21
22	0.440B	0.285B	0.400B	1.09	1.05	0.756	0.592	0.344	0.051	0.048	0.758	0.660B	22
23	0.420B	0.277B	0.430B	1.16	1.02	1.05	0.574	0.343	0.040	0.044	0.830	0.700B	23
24	0.400B	0.260B	0.480B	0.926	1.02	0.939	0.493	0.319	0.035	0.041	0.873	0.685B	24
25	0.382B	0.260B	0.600B	1.29	0.983	0.865E	0.532	0.318	0.034	0.039	0.866	0.665B	25
26	0.365B	0.252B	0.986B	1.32	1.33	1.05 E	0.548	0.324	0.033	0.037	0.798	0.650B	26
27	0.450B	0.245B	1.15 B	1.85	1.31	0.790E	0.697	0.303	0.031	0.037	0.967	0.635B	27
28	0.435B	0.240B	1.25 B	1.55	1.16	0.650E	0.628	0.199	0.030	0.038	1.78	0.620B	28
29	0.415B		1.19 B	1.20	1.03	1.49 E	0.617	0.190	0.027	0.036	1.74	0.750B	29
30	0.395B		1.09 B	1.09	0.926	1.43	0.655	0.048	0.027	0.037	0.732	0.960B	30
31	0.380B		1.02 B		0.873		0.693	0.034		0.035		0.810B	31
TOTAL	8.497	8.336	13.712	31.834	32.851	26.194	21.638	16.061	1.892	1.949	12.860	13.054	TOTAL
MEAN	0.274	0.298	0.442	1.06	1.06	0.873	0.698	0.518	0.063	0.063	0.429	0.421	MEAN
MAX	0.510	0.365	1.30	1.85	1.71	1.49	1.14	1.18	0.242	0.196	1.78	0.960	MAX
MIN	0.039	0.240	0.026	0.816	0.675	0.650	0.323	0.034	0.027	0.035	0.035	0.189	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.517
MAXIMUM DAILY, 2.71 ON MAY 18
MINIMUM DAILY, 0.026B ON MAR 09
MAXIMUM INSTANTANEOUS,
3.90 AT 01:38 EST ON MAY 18

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 38 08 N
LONG 081 23 25 W
DRAINAGE AREA, 40.6 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	734	JUL	1 870
FEB	720	AUG	1 390
MAR	1 180	SEP	163
APR	2 750	OCT	168
MAY	2 840	NOV	1 110
JUN	2 260	DEC	1 130

TOTAL DISCHARGE, 16 300 dam³

MOOSE RIVER ABOVE MOOSE RIVER - STATION NO. 04LG004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	240B	186B	202B	500B	7 030	1 430	940	486	246	955	1 520	640B	1
2	190B	195B	194B	545B	6 420	1 310	1 180	487	220	881	1 540	490B	2
3	156B	192B	212B	590B	5 430	1 280	1 130	344	154	817	1 550	620B	3
4	240B	132B	203B	595B	4 740	1 580	1 050	483	181	750	1 560	550B	4
5	300B	121B	200B	640B	3 890	1 830	1 190	481	100	726	1 590	520B	5
6	305B	108B	250B	585B	3 480	1 870	1 510	452	84.9	708	1 560	480B	6
7	295B	177B	264B	560B	3 130	1 790	1 490	418	109	508	1 420	485B	7
8	180B	182B	280B	580B	2 730	1 850	1 450	379	150	455	1 360	460B	8
9	190B	177B	270B	570B	2 600	1 720	1 200	408	141	448	1 230	370B	9
10	290B	182B	268B	560B	2 390	1 580	1 270	464	125	506	1 160	540B	10
11	315B	170B	240B	575B	2 250	1 470	1 490	494	162	487	968	570B	11
12	290B	138B	190B	595B	2 170	1 460	1 540	463	130	499	945	520B	12
13	310B	112B	215B	540B	2 110	1 490	1 460	471	188	509	873	525B	13
14	295B	185B	250B	520B	2 030	1 430	1 270	469	246	511	881	480B	14
15	168B	197B	270B	520B	2 850	1 200	1 040	439	274	512	874	450B	15
16	210B	212B	275B	510B	3 080	1 100	902	400	242	524	847	320B	16
17	265B	248B	280B	500B	3 180	1 070	857	369	281	533	807	360B	17
18	310B	200B	300B	550B	3 310	1 160	814	394	418	555	760	400B	18
19	306B	150B	320B	565B	3 990	1 270	738	368	474	583	725	450B	19
20	288B	186B	440B	580B	4 600	1 290	701	325	556	1 230	685	435B	20
21	305B	188B	690B	590B	4 470	1 420	651	328	518	1 910	649	410B	21
22	107B	190B	700B	600B	4 040	1 320	480	331	529	1 940	651	350B	22
23	109B	187B	715B	700B	3 620	1 310	410	303	645	2 290	652	330B	23
24	280B	185B	720B	840B	3 240	1 280	477	288	1 070	2 420	671	315B	24
25	290B	173B	725B	1 050B	2 990	1 200	444	224	1 290	2 360	703	310B	25
26	230B	182B	720B	2 500B	2 680	1 040	422	210	1 310	2 110	670B	315B	26
27	228B	197B	715B	5 600B	2 420	1 000	412	180	1 270	2 090	700B	350B	27
28	240B	192B	710B	6 900B	2 140	982	422	284	1 220	1 840	670B	315B	28
29	115B		705B	7 000B	1 980	948	406	315	1 130	1 810	645B	305B	29
30	110B		702B	7 070	1 760	940	429	297	1 060	1 870	680B	285B	30
31	180B		650B		1 640		422	294		1 740		305B	31
TOTAL	7 337	4 944	12 875	44 030	102 890	40 620	28 197	11 648	14 523.9	35 077	29 516	13 255	TOTAL
MEAN	237	177	415	1 470	3 320	1 350	910	376	484	1 130	984	428	MEAN
MAX	315	248	725	7 070	7 070	1 870	1 540	494	1 310	2 420	1 590	640	MAX
MIN	107	108	190	500	1 640	940	406	180	84.9	448	645	285	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 945
MAXIMUM DAILY, 7 070 ON APR 30
MINIMUM DAILY, 84.9 ON SEP 06
MAXIMUM INSTANTANEOUS,
7 170 AT 12:10 EST ON MAY 01

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 36 N
LONG 081 27 30 W
DRAINAGE AREA, 60 100 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	634 000	JUL	2 440 000
FEB	427 000	AUG	1 010 000
MAR	1 110 000	SEP	1 250 000
APR	3 800 000	OCT	3 030 000
MAY	8 890 000	NOV	2 550 000
JUN	3 510 000	DEC	1 150 000

TOTAL DISCHARGE, 29 800 000 dam³

MUSKOKA RIVER AT HIGHWAY NO. 69 - STATION NO. 02EB012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	64.8	92.4	91.7	89.3	84.6	92.1	17.2	10.7	6.31	32.9	71.3	94.1
2	62.7	92.3	91.5	90.0	82.1	89.1	17.6	11.9	6.79	70.6	66.7	93.5
3	64.0	92.0	86.7	91.5	81.1	86.4	15.3	12.2	5.82	58.4	69.3	93.2
4	64.1	92.0	84.5	92.4	84.7	82.8	12.1	11.9	7.39	82.5	69.5	93.5
5	69.0	91.7	82.1	93.0	83.8	78.8	11.4	12.1	5.89	82.2	64.2	97.4
6	60.7	91.1	81.1	92.8	61.3	77.2	6.09	9.01	8.04	84.6	78.5	96.3
7	62.6	87.2	77.3	92.7	59.9	61.8	8.13	15.7	7.66	89.1	76.0	93.0
8	61.4	89.1	74.9	91.8	54.0	43.9	7.70	10.0	7.33	87.1	75.9	92.6
9	60.5	90.7	79.6	91.9	50.5	52.8	11.7 A	10.5	5.47	88.9	75.7	92.2
10	66.7	91.6	83.8	91.9	49.6	43.2	7.87	10.7	6.25	88.7	75.7	92.5
11	60.3	90.9	82.8	91.9	46.5	45.0	11.2	6.73	8.43	89.4	75.6	92.0
12	65.2	83.2	85.9	88.1	41.4	42.3	11.1	13.6	3.82	86.3	71.7	91.9
13	64.1	82.9	89.8	86.3	41.2	38.5	11.1	11.2	7.52	77.6	71.7	92.4
14	63.2	90.2	82.5	86.6	41.1	39.5	7.04	6.85	7.02	78.4	71.0	92.0
15	63.2	84.9	83.3	86.3	40.7	38.6	8.24	7.21	8.16	66.6	72.9	92.3
16	62.2	84.6	89.0	83.1	42.4	37.9	8.25	7.38	5.17	79.8	78.0	92.8
17	61.4	88.5	89.5	87.0	46.1	37.9	8.98	8.66	7.53	89.3	76.6	92.7
18	64.1	81.9	93.1	85.0	50.9	41.0	10.7	10.4	6.05	84.0	74.1	92.8
19	71.5	87.4	90.1	90.9	81.5	42.8	14.6	9.36	6.91	92.1	70.1	93.1
20	75.9	89.3	85.3	92.1	86.9	34.5	9.80	10.5	7.78	86.2	76.0	92.1
21	76.7	79.7	81.1	96.9	87.6	13.8	13.9	9.95	4.54	84.6	75.6	92.3
22	83.4	81.9	84.4	100	89.1	13.4	11.8	9.32	8.34	86.1	83.1	95.4
23	92.0	88.9	90.1	100	96.1	14.7	13.5	9.09	7.24	80.3	83.1	98.6
24	92.6	88.9	90.4	99.6	95.1	14.4	12.7	9.10	6.58	74.6	84.6	101
25	96.1	86.6	91.6	80.9	94.5	15.1	16.3	6.69	7.54	75.0	90.6	100
26	96.5	84.5	92.0	69.4	93.7	17.6	14.8	7.51	7.70	74.6	90.0	101
27	93.7	91.1	91.7	70.8	93.4	15.7	11.7	6.40	6.87	73.4	106	103
28	92.7	91.5	91.4	73.5	92.8	15.4	16.7	9.21	9.29	70.9	114	103
29	92.2		91.3	78.0	92.6	15.6	16.5	8.00	10.6	71.5	112	104
30	92.4		88.8	82.4	91.9	15.8	11.9	7.08	9.72	71.2	108	98.3
31	92.5		87.7		92.6		15.1	8.47		70.9		94.0
TOTAL	2 288.4	2 467.0	2 688.0	2 646.1	2 189.3	1 257.2	366.50	297.42	212.77	2 427.8	2 405.5	2 953.0
MEAN	73.8	88.1	86.7	88.2	70.6	41.9	11.8	9.59	7.09	78.3	80.2	95.3
MAX	96.5	92.4	93.1	100	96.1	92.1	17.9	15.7	12.6	92.1	114	104
MIN	60.3	79.7	74.9	69.4	40.7	13.4	6.09	6.40	3.82	32.9	64.2	91.9

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 60.8
MAXIMUM DAILY, 114 ON NOV 28
MINIMUM DAILY, 3.82 ON SEP 12
MAXIMUM INSTANTANEOUS
116 AT 17:47 EST ON NOV 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 01 30 N
LONG 079 46 30 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	198 000	JUL	31 700
FEB	213 000	AUG	25 700
MAR	232 000	SEP	18 400
APR	229 000	OCT	210 000
MAY	189 000	NOV	208 000
JUN	109 000	DEC	255 000

TOTAL DISCHARGE, 1 920 000 dam³

MUSKOKA RIVER BELOW BALA - STATION NO. 02EB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	66.5	125	98.0	198	96.4	134	17.6	11.5	7.49	34.0	72.6	225
2	64.5	123	97.1	199	93.1	130	18.3	12.7	7.96	71.7	68.0	226
3	65.8	120	97.4	206	92.4	125	15.7	13.0	6.99	59.4	70.6	228
4	66.7	120	97.7	208	77.2	114	12.5	12.7	8.60	83.4	70.8	229
5	71.8	118	90.0	211	76.5	88.0	11.8	12.9	7.12	83.0	65.7	227
6	63.3	115	89.1	212	74.0	83.1	6.45	9.85	9.26	85.3	82.1	226
7	65.1	110	86.3	211	72.9	64.2	8.48	16.5	8.87	89.8	79.9	222
8	63.9	111	84.1	207	68.7	45.8	8.07	10.9	8.52	87.8	79.3	217
9	63.0	109	88.5	205	65.5	54.7	12.2	11.4	6.65	89.7	78.8	211
10	69.2	110	97.7	204	64.1	45.1	8.32	11.6	7.44	89.6	78.8	206
11	62.8	109	94.8	203	60.4	46.8	11.7	7.60	9.61	90.3	78.8	199
12	67.6	106	104	197	55.5	44.1	11.5	14.5	4.99	91.2	74.8	193
13	66.3	117	124	194	55.9	40.3	11.5	12.1	8.69	104	74.6	170
14	65.4	124	125	192	56.1	41.3	7.43	7.76	8.19	104	73.7	125
15	65.3	117	148	190	55.8	39.6	8.68	8.12	9.35	91.4	75.4	124
16	64.1	114	162	185	57.6	38.5	8.72	8.33	6.24	100	80.6	124
17	63.6	112	169	189	62.8	38.4	9.45	9.64	8.57	102	79.4	123
18	67.6	106	177	183	68.4	41.5	11.2	11.4	7.10	87.6	76.8	123
19	75.3	108	187	180	96.5	43.3	15.1	10.4	7.97	94.8	72.6	123
20	79.4	107	189	158	101	34.9	10.4	11.5	8.85	88.3	78.4	118
21	80.1	98.9	187	117	101	14.2	14.5	11.0	5.62	86.3	78.0	103
22	86.7	102	193	118	102	13.8	12.4	10.4	9.51	87.6	87.1	101
23	95.1	114	203	118	113	15.1	14.1	10.2	8.37	81.7	88.3	104
24	95.6	114	204	117	139	14.8	13.3	10.2	7.67	75.9	89.5	106
25	99.2	109	207	94.5	146	15.5	16.9	7.77	8.64	76.3	95.4	105
26	101	104	208	83.3	151	18.0	15.4	8.61	8.83	75.8	94.4	106
27	104	103	208	84.5	149	16.1	11.8	7.52	7.99	74.6	112	108
28	103	101	206	86.7	146	15.8	13.3	10.3	7.40	73.1	138	108
29	101		204	90.3	144	15.6	16.8	9.12	13.7	75.7	188	111
30	105		201	94.8	141	16.2	12.6	8.62	10.9	75.5	220	127
31	123		199		139		15.9	9.64		72.2		120
TOTAL	2 430.9	3 127.9	4 614.4	4 936.1	2 921.8	1 447.7	382.10	327.38	247.09	2 575.0	2 702.4	4 838
MEAN	78.4	112	149	165	94.3	48.3	12.3	10.6	8.24	83.1	90.1	156
MAX	123	125	208	212	151	134	18.3	16.5	13.7	104	220	229
MIN	62.8	98.9	84.1	83.3	55.5	13.8	6.45	7.52	4.99	34.0	65.7	101

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 83.7
MAXIMUM DAILY, 229 ON DEC 04
MINIMUM DAILY, 4.99 ON SEP 12

LOCATION - LAT N
LONG W
DRAINAGE AREA, 4 770 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	210 000	JUL	33 000
FEB	270 000	AUG	28 300
MAR	399 000	SEP	21 300
APR	426 000	OCT	224 000
MAY	252 000	NOV	233 000
JUN	125 000	DEC	418 000

TOTAL DISCHARGE, 2 640 000 dam³

REMARKS - DAILY DISCHARGE OBTAINED BY SUMMATION OF FLOWS AT 02EB011 AND 02EB012

MUSWABIK RIVER AT OUTLET OF MUSWABIK LAKE - STATION NO. 04GF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.96B	1.15 B	0.830B	0.880B	37.0B	43.1	19.5	0.784	1.56	1.90	5.32	6.20B	1
2	1.92B	1.13 B	0.820B	0.870B	48.0B	43.5	20.1	0.667	0.769	2.51	6.82	5.90B	2
3	1.89B	1.11 B	0.810B	0.860B	59.1	47.2	17.5	0.738	0.613	1.14	7.24	5.65B	3
4	1.84B	1.09 B	0.805B	0.850B	67.2	48.3	17.0	2.26	0.955	3.10	8.59	5.40B	4
5	1.80B	1.07 B	0.800B	0.840B	74.3	50.6	15.8	1.15	0.651	4.79	7.34	5.10B	5
6	1.77B	1.06 B	0.800B	0.830B	80.6	55.0	12.6	0.702	1.13	4.98	7.20B	4.85B	6
7	1.73B	1.05 B	0.800B	0.820B	82.3	57.2	9.38	0.680	0.715	4.13	7.05B	4.60B	7
8	1.69B	1.03 B	0.800B	0.810B	81.9	58.1	12.6	0.741	0.709	3.92	6.80B	4.35B	8
9	1.66B	1.02 B	0.800B	0.805B	80.1	58.3	16.3	0.906	0.800	3.57	6.55B	4.15B	9
10	1.63B	1.01 B	0.800B	0.800B	77.5	57.6	15.5	0.669	0.910	2.96	6.30B	3.95B	10
11	1.61B	1.00 B	0.800B	0.800B	74.3	54.0	14.6	0.672	0.617	4.47	6.25B	3.75B	11
12	1.58B	0.990B	0.800B	0.800B	71.1	52.3	13.5	0.663	1.27	5.22	6.15B	3.60B	12
13	1.55B	0.980B	0.810B	0.800B	69.2	52.6	13.0	0.605	0.643	3.74	6.05B	3.45B	13
14	1.52B	0.965B	0.830B	0.800B	67.8	51.2	11.7	0.746	0.956	5.12	5.95B	3.30B	14
15	1.50B	0.950B	0.850B	0.800B	66.7	47.1	9.94	0.707	0.850	6.15	5.85B	3.15B	15
16	1.48B	0.945B	0.880B	0.805B	64.9	44.4	10.2	0.642	1.13	6.24	5.80B	3.00B	16
17	1.45B	0.940B	0.910B	0.810B	65.0B	43.3	9.07	0.735	0.724	6.25	5.80B	2.85B	17
18	1.42B	0.930B	0.930B	0.820B	64.3	41.9	9.24	0.696	0.642	12.2	5.85B	2.75B	18
19	1.40B	0.920B	0.950B	0.835B	65.0B	37.1	7.75	0.588	0.986	7.00	5.80B	2.62B	19
20	1.38B	0.910B	0.960B	0.850B	66.0B	35.2	7.34	0.573	0.938	3.83	5.80B	2.50B	20
21	1.36B	0.900B	0.965B	0.890B	66.5B	34.3	5.99	0.572	1.03	5.67	5.85B	2.40B	21
22	1.33B	0.895B	0.970B	1.00 B	66.9	33.6	4.67	0.576	9.42	5.63	5.95B	2.30B	22
23	1.31B	0.880B	0.980B	1.50 B	65.4	30.9	4.13	0.528	3.08	5.72	6.25B	2.20B	23
24	1.29B	0.870B	0.980B	2.10 B	63.8	27.4	3.34	0.550	0.993	8.02	6.45B	2.10B	24
25	1.27B	0.865B	0.970B	4.20 B	61.7	26.0	2.43	0.573	0.940	6.28	6.65B	2.02B	25
26	1.25B	0.855B	0.965B	6.20 B	59.7	25.2	1.76	0.840	1.09	4.04	6.85B	1.95B	26
27	1.23B	0.850B	0.960B	11.0 B	58.4	23.7	1.45	0.649	2.24	7.60	6.95B	1.87B	27
28	1.21B	0.840B	0.945B	17.0 B	56.4	22.2	0.880	0.707	2.27	6.74	6.85B	1.83B	28
29	1.20B		0.930B	23.0 B	52.2	21.1	3.04	0.658	2.28	4.93	6.70B	1.77B	29
30	1.18B		0.919B	28.0 B	49.0	20.5	0.980	0.682	1.59	5.00	6.50B	1.73B	30
31	1.16B		0.900B		47.2		0.779	0.589		5.28		1.70B	31
TOTAL	46.57	27.205	27.269	111.575	2 009.7	1 242.9	292.069	22.928	42.501	158.13	193.51	102.99	TOTAL
MEAN	1.50	0.972	0.880	3.72	64.8	41.4	9.42	0.740	1.42	5.10	6.45	3.32	MEAN
MAX	1.96	1.15	0.980	28.0	82.3	58.3	20.1	2.26	9.42	12.2	8.59	6.20	MAX
MIN	1.16	0.840	0.800	0.800	37.0	20.5	0.779	0.528	0.613	1.14	5.32	1.70	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.7
MAXIMUM DAILY, 82.3 ON MAY 07
MINIMUM DAILY, 0.528 ON AUG 23
MAXIMUM INSTANTANEOUS,
82.9 AT 13:11 EST ON MAY 07

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 31 32 N
LONG 085 04 13 W
DRAINAGE AREA, 1 890 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 020	JUL	25 200
FEB	2 350	AUG	1 980
MAR	2 360	SEP	3 670
APR	9 640	OCT	13 700
MAY	174 000	NOV	16 700
JUN	107 000	DEC	8 900

TOTAL DISCHARGE, 370 000 dam³

NAGAGAMI RIVER AT HIGHWAY NO. 11 - STATION NO. 04JC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.75B	4.88B	3.47B	11.5B	117	44.8	41.0	14.0	7.32	9.89	21.3	19.3 B	1
2	5.75B	4.82B	3.44B	12.2B	116	42.5	39.5	13.6	7.22	9.75	22.8	18.7 B	2
3	5.80B	4.76B	3.42B	12.9B	116	42.0	40.9	13.3	6.72	9.68	25.9	17.9 B	3
4	5.80B	4.66B	3.42B	13.6B	117	42.0	47.2	12.9	6.36	9.60	27.3	17.2 B	4
5	5.80B	4.60B	3.40B	13.8B	117	40.9	46.2	12.9	6.51	10.2	26.9	16.7 B	5
6	5.80B	4.54B	3.42B	13.9B	114	40.5	42.0	12.3	6.18	10.5	25.8	16.1 B	6
7	5.80B	4.47B	3.43B	13.7B	111	41.3	38.9	11.7	5.94	10.5	24.6	15.5 B	7
8	5.78B	4.40B	3.44B	13.6B	107	40.7	38.1	11.3	5.50	10.2	24.1	14.9 B	8
9	5.75B	4.30B	3.44B	13.4B	103	43.6	39.2	11.5	5.36	9.85	24.0	14.4 B	9
10	5.70B	4.22B	3.44B	13.2B	98.2	51.9	38.3	14.5	5.66	9.45	23.3B	14.0 B	10
11	5.65B	4.18B	3.44B	13.1B	93.1	52.1	36.1	15.5	5.19	9.26	22.2B	13.7 B	11
12	5.62B	4.10B	3.65B	13.0B	91.7	49.3	33.5	14.8	5.20	9.43	19.1B	13.3 B	12
13	5.60B	4.04B	4.40B	12.9B	88.2	46.9	31.7	13.9	5.29	9.74	20.2B	13.0 B	13
14	5.58B	4.00B	5.00B	12.8B	84.9	44.8	29.9	13.2	5.06	9.71	21.2B	12.7 B	14
15	5.55B	3.96B	6.30B	12.8B	83.5	43.8	28.1	13.1	5.03	10.4	21.0B	12.4 B	15
16	5.52B	3.92B	7.20B	12.8B	80.1	41.3	26.8	12.1	4.93	10.9	20.8B	12.1 B	16
17	5.50B	3.86B	8.40B	12.8B	80.1	39.9	25.4	11.8	4.76	11.1	20.5B	11.8 B	17
18	5.46B	3.82B	10.1 B	12.7B	80.6	41.3	23.9	11.8	4.52	12.5	20.2B	11.4 B	18
19	5.43B	3.77B	11.7 B	12.7B	81.5	40.9	23.0	11.1	4.74	12.6	20.0B	11.2 B	19
20	5.40B	3.72B	12.1 B	13.0B	78.6	39.2	22.1	10.4	4.95	12.6	19.8B	10.9 B	20
21	5.38B	3.69B	12.1 B	13.8B	74.9	38.2	21.3	9.88	5.09	14.4	19.7B	10.7 B	21
22	5.35B	3.66B	12.1 B	15.3B	71.7	42.6	20.2	9.49	7.14	16.1	21.0	10.5 B	22
23	5.33B	3.63B	12.0 B	18.0B	68.5	46.3	19.3	9.15	12.4	17.1 E	22.0	10.3 B	23
24	5.25B	3.61B	11.9 B	29.0B	65.5	44.4	18.6	8.84	14.4	18.7 E	22.2	10.1 B	24
25	5.20B	3.59B	11.7 B	43.0B	63.0	41.6	18.3	8.68	14.4	19.7 E	19.0B	9.90B	25
26	5.16B	3.56B	11.5 B	64.0B	59.9	40.4	17.8	8.53	13.7	19.6	15.3B	9.70B	26
27	5.12B	3.53B	11.2 B	96.8	57.4	39.5	17.0	8.51	12.7	20.1	18.0B	9.50B	27
28	5.08B	3.50B	11.0 B	94.1	55.0	38.0	16.4	8.31	12.0	21.3	20.1B	9.30B	28
29	5.04B		10.7 B	104	51.9	39.5	15.6	8.19	11.1	21.2	20.7B	9.15B	29
30	5.00B		10.6 B	116	49.4	41.7	15.1	7.89	10.4	21.1	20.3B	9.00B	30
31	4.95B		11.0 B		47.3		14.4	7.58		21.2		8.85B	31
TOTAL	169.90	113.81	232.41	854.3	2 623.0	1 281.9	885.8	350.75	225.67	418.36	648.5	394.20	TOTAL
MEAN	5.48	4.06	7.50	28.5	84.6	42.7	28.6	11.3	7.52	13.5	21.6	12.7	MEAN
MAX	5.80	4.88	12.1	116	117	52.1	47.2	15.5	14.4	21.3	27.3	19.3	MAX
MIN	4.95	3.50	3.40	11.5	47.3	38.0	14.4	7.58	4.52	9.26	15.3	8.85	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 22.5
MAXIMUM DAILY, 117 ON MAY 01
MINIMUM DAILY, 3.40B ON MAR 05
MAXIMUM INSTANTANEOUS,
119 AT 21:19 EST ON APR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 46 44 N
LONG 084 31 48 W
DRAINAGE AREA, 2 410 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	14 700	JUL	76 500
FEB	9 830	AUG	30 300
MAR	20 100	SEP	19 500
APR	73 800	OCT	36 100
MAY	227 000	NOV	56 000
JUN	111 000	DEC	34 100

TOTAL DISCHARGE, 709 000 dam³

NAMAKAN LAKE ABOVE KETTLE FALLS DAM - STATION NO. 05PA003

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	339.853A	339.582	339.307	339.043	339.538	340.447	340.865	340.778	340.848	340.618	340.361	339.944
2	339.846A	339.572	339.293	339.040	339.597	340.448	340.872	340.777	340.842	340.603	340.352	339.931
3	339.835A	339.569	339.277	339.029	339.665	340.478	340.884	340.784	340.838	340.628	340.335	339.920
4	339.823A	339.561	339.264	339.024	339.736	340.489	340.892	340.796	340.831	340.626	340.313	339.909
5	339.811A	339.553	339.249	339.013	339.809	340.497	340.876	340.789	340.826	340.610	340.300	339.904
6	339.801A	339.544	339.237	339.002	339.882	340.512	340.880	340.787	340.820	340.607	340.289	339.894
7	339.795A	339.538	339.223	338.989	339.932	340.513	340.890	340.782	340.809	340.599	340.266	339.888
8	339.785A	339.529	339.208	338.974	339.997	340.533	340.897	340.776	340.805	340.590	340.259	339.878
9	339.772A	339.524	339.197	338.968	340.041	340.541	340.869	340.766	340.794	340.584	340.253	339.872
10	339.765	339.519	339.185	338.966	340.088	340.542	340.848	340.761	340.785	340.577	340.217	339.856
11	339.764	339.509	339.171	338.959	340.133	340.538	340.831	340.754	340.786	340.570	340.200	339.850
12	339.751	339.503	339.172	338.963	340.172	340.545	340.827	340.753	340.803	340.559	340.178	339.853
13	339.737	339.492	339.172	338.963	340.216	340.551	340.830	340.755	340.802	340.550	340.161	339.844
14	339.728	339.480	339.168	338.964	340.271	340.552	340.825	340.755	340.788	340.544	340.151	339.836
15	339.721	339.471	339.188	338.967	340.302	340.541	340.824	340.751	340.783	340.537	340.135	339.830
16	339.712	339.467	339.221	338.972	340.310	340.537	340.814	340.752	340.768	340.524	340.126	339.824
17	339.705	339.456	339.234	338.971	340.340	340.544	340.813	340.750	340.761	340.520	340.111	339.814
18	339.694	339.454	339.240	338.976	340.356	340.561	340.813	340.750	340.746	340.527	340.098	339.804
19	339.684	339.443	339.245	338.988	340.369	340.597	340.808	340.750	340.734	340.520	340.081	339.797
20	339.673	339.427	339.240	338.999	340.391	340.648	340.809	340.763	340.722	340.518	340.071	339.799
21	339.667	339.414	339.221	339.012	340.412	340.697	340.807	340.777	340.722	340.516	340.070	339.793
22	339.661	339.399	339.210	339.025	340.433	340.741	340.803	340.788	340.703	340.503	340.058	339.794
23	339.651	339.385	339.191	339.051	340.442	340.781	340.804	340.798	340.695	340.484	340.041	339.789
24	339.649	339.370	339.173	339.084	340.441	340.817	340.810	340.814	340.685	340.461	340.022	339.785
25	339.639	339.353	339.152	339.120	340.446	340.842	340.809	340.831	340.675	340.446	340.013	339.780
26	339.629	339.342	339.130	339.173	340.465	340.844	340.808	340.842	340.664	340.438	339.992	339.770
27	339.623	339.335	339.108	339.222	340.470	340.846	340.807	340.850	340.649	340.427	339.985	339.762
28	339.611	339.319	339.088	339.289	340.469	340.849	340.808	340.855	340.635	340.407	339.979	339.760
29	339.604		339.068	339.368	340.470	340.858	340.805	340.858	340.628	340.398	339.965	339.755
30	339.598		339.054	339.459	340.468	340.862	340.793	340.855	340.621	340.385	339.955	339.745
31	339.588		339.045		340.460		340.786	340.853		340.372		339.741
MEAN	339.715	339.468	339.191	339.052	340.197	340.625	340.832	340.789	340.752	340.524	340.145	339.830
MAX	339.853	339.582	339.307	339.459	340.470	340.862	340.897	340.858	340.848	340.628	340.361	339.944
MIN	339.588	339.319	339.045	338.959	339.538	340.447	340.786	340.750	340.621	340.372	339.955	339.741

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 340.098
MAXIMUM DAILY, 340.897 ON JUL 08
MINIMUM DAILY, 338.959 ON APR 11
MAXIMUM INSTANTANEOUS,
340.910 AT 09:51 CST ON JUL 08

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 30 00 N
LONG 092 38 20 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE

WATER LEVELS ARE REFERRED TO UNITED STATES COAST AND GEODETIC SURVEY DATUM

NAMAKAN RIVER AT OUTLET OF LAC LA CROIX - STATION NO. 05PA006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	36.6	34.6	32.7	44.0E	162	294	253	192	84.2	44.8	42.5	47.0
2	36.4	34.5	32.4	44.5E	180	289	257	186	83.0	44.9	41.8	46.6A
3	36.3	34.7	32.3	45.1E	197	282	261	183	80.8	47.3	41.7	46.5
4	36.0	34.7	32.2	45.6E	213	277	261	180	78.5	46.5	42.1	46.5A
5	35.7	34.4	32.0	46.9A	227	273	264	175	76.7	47.2	42.5	46.9
6	35.4	34.3	32.0	47.6	240	265	265	171	75.2	46.4	41.8	47.0
7	35.4	34.3	31.8	48.1	256	262	269	166	73.3	46.1	42.0	47.2
8	35.6	34.2	31.6	48.5	267	257	269	161	71.0	45.8	42.3	47.5
9	35.4	34.2	31.5	49.5	280	251	269	156	69.2	45.2	41.5	47.1
10	35.2	33.9	31.4	50.3	292	249	270	151	67.4	44.5	41.2	47.1
11	35.1	33.9	31.6	50.6	304	244	270	146	66.6	43.6	41.4	47.1
12	35.2	34.0	32.9	50.9	314	236	269	142	68.3	43.3	41.7	47.5
13	35.3	33.4	33.6	51.4	324	231	266	137	66.2	42.8	42.2	47.6
14	35.3	33.3	31.9	52.2	336	226	264	132	64.0	42.2	42.2	47.6
15	35.0	33.3	35.4	52.8	344	223	260	130	62.9	41.4	42.3	47.7
16	34.9	33.6	36.9	53.5	350	219	256	126	61.9	41.5	42.7	47.7
17	35.0	33.4	37.8	54.2	352	217	255	124	60.5	42.2	43.1	47.7
18	35.0	33.7	38.0	54.8	356	213	251	121	58.8	43.1	43.2	47.6A
19	34.9	33.5	38.7	55.7	360	214	249	117	56.8	43.6	43.2	48.0E
20	34.8	33.6	39.0	56.6	360	218	245	113	56.3	42.9	43.9	48.4E
21	34.9	33.5	39.3	58.0	359	219	241	110	54.4	42.4	44.0	48.8A
22	34.8	33.2	39.3	59.7	357	221	238	107	53.7	42.7	43.0	49.7
23	34.9	33.1	39.9	63.9	354	224	234	105	52.4	42.1	42.5	50.2
24	34.9	32.8	40.1	68.1	351	227	230	104	51.6	42.2	43.9	50.2
25	34.7	32.7	40.5	72.6	346	230	226	101	50.4	42.4	43.8	50.0
26	34.7	32.8	40.9	80.1	340	234	222	99.4	49.5	42.3	44.5	49.9
27	34.8	32.9	41.6A	91.5	334	238	217	96.5	48.2	41.2	45.5	49.9
28	34.8	32.9	42.0E	106	327	242	213	93.4	47.5	42.1	46.0	49.9
29	34.9		42.6E	125	319	246	207	91.6	47.0	42.2	46.6	49.9
30	34.4		43.1E	144	311	250	202	89.4	46.5	42.3	47.2	49.9
31	34.4		43.5E		303		197	87.5		42.5		50.0
TOTAL	1 090.7	943.4	1 130.5	1 871.7	9 415	7 271	7 650	4 093.8	1 882.8	1 349.7	1 292.3	1 494.3
MEAN	35.2	33.7	36.5	62.4	304	242	247	132	62.8	43.5	43.1	48.2
MAX	36.6	34.7	43.5	144	360	294	270	192	84.2	47.3	47.2	50.2
MIN	34.4	32.7	31.4	44.0	162	213	197	87.5	46.5	41.2	41.2	46.5

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 108
MAXIMUM DAILY, 360 ON MAY 19
MINIMUM DAILY, 31.4 ON MAR 10
MAXIMUM INSTANTANEOUS,
361 AT 14:07 CST ON MAY 19

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 23 00 N
LONG 092 10 40 W
DRAINAGE AREA, 13 400 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	94 200	JUL	661 000
FEB	81 500	AUG	354 000
MAR	97 700	SEP	163 000
APR	162 000	OCT	117 000
MAY	813 000	NOV	112 000
JUN	628 000	DEC	129 000

TOTAL DISCHARGE, 3 410 000 d

NANTICOKE CREEK AT NANTICOKE - STATION NO. 02GC022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.00B	1.95B	2.96B	1.96	0.956	0.969	0.311	0.188	0.320	0.602	0.477	1.38	1
2	1.90B	5.67B	2.55B	3.41	0.881	0.930	0.305	0.170	0.277	0.528	0.481	1.22	2
3	3.65	2.90B	2.79B	4.07	0.811	0.972	0.277	0.135	0.220	0.464	0.441	1.09	3
4	7.70	2.39B	2.32B	3.43	0.823	0.965	0.256	0.113	0.199	1.11	0.459	11.1	4
5	8.30B	2.21B	1.95B	2.57	1.20	1.11	0.223	0.119	0.170	0.846	1.04	5.29	5
6	5.95B	2.17B	1.60B	2.32	1.09	1.22	0.211	0.111	0.182	0.523	5.59	3.98	6
7	5.31B	2.82B	1.41B	2.00	1.05	1.17	0.190	0.160	0.731	0.445	3.65	3.24	7
8	5.15B	4.75B	1.35B	1.85	0.975	1.33	0.186	0.155	0.338	0.430	3.04	3.10	8
9	5.31	12.2 B	1.91B	1.73	0.993	1.15	1.52	0.149	0.327	1.36	2.33	2.90	9
10	6.53B	12.5	4.61B	4.10	0.899	1.10	3.17	0.143	0.324	1.48	2.12	2.97	10
11	6.07B	6.63	11.6 B	8.55	0.711	1.05	2.86	0.132	0.300	1.44	1.90	2.54	11
12	4.51B	4.75B	14.5	4.68	0.788	0.945	1.92	0.151	0.287	2.64	1.68	2.11	12
13	3.47B	4.02	16.4	3.14	3.16	0.858	1.48	0.372	0.266	4.08	1.53	1.85	13
14	2.62B	3.90	12.8	2.91	2.77	0.794	1.13	0.325	0.263	2.21	1.35	1.62	14
15	2.57	3.05B	9.63	3.02	2.40	0.726	1.04	0.310	0.413	1.49	1.18	1.43	15
16	3.31	2.62B	7.44	2.61	6.13	0.669	0.885	0.386	0.453	1.21	1.14	3.72	16
17	7.25B	2.96B	6.09	2.37	6.16	0.601	0.784	0.362	0.423	1.00	1.20	4.26	17
18	21.7 B	3.23B	4.91	2.16	4.97	0.573	0.623	0.293	0.384	0.946	1.06	4.26	18
19	14.8 B	2.44B	4.17	1.91	4.03	0.456	0.511	0.334	0.395	1.27	0.967	5.81	19
20	9.05B	2.19B	3.76	1.80	3.71	0.455	0.459	0.359	0.399	1.19	0.905	3.81	20
21	6.53B	1.95B	3.47	2.62	3.57	0.445	0.414	0.337	0.364	0.966	0.865	3.23	21
22	4.95B	9.10B	3.13	2.26	3.02	0.413	0.411	0.323	0.378	0.850	1.02	6.76	22
23	3.98B	19.7 B	3.01	1.98	2.59	0.475	0.404	0.307	0.338	0.808	1.33	16.2	23
24	4.54B	12.2 B	2.74	1.76	2.18	0.451	0.399	0.299	0.338	0.797	1.30	12.7 B	24
25	5.83B	8.40B	2.41	1.63	1.88	0.465	0.400	0.283	0.306	0.734	1.21	6.58B	25
26	6.27B	6.80B	2.19	1.47	1.60	0.449	0.380	0.265	0.298	0.664	1.15	5.07B	26
27	4.31B	5.67B	2.01	1.32	1.41	0.413	0.336	0.237	0.278	0.612	2.54	4.47B	27
28	3.92	4.25B	1.81	1.20	1.25	0.363	0.316	0.424	0.274	0.539	2.19	4.04B	28
29	3.05B		1.62	1.08	1.20	0.344	0.291	1.67	0.285	0.513	1.82	15.9 B	29
30	1.87B		1.63	0.995	1.12	0.327	0.255	0.465	0.910	0.510	1.54	41.1	30
31	1.56B		1.78		1.07		0.220	0.363		0.493		25.7	31
TOTAL	172.96	153.42	140.55	76.905	65.397	22.188	22.167	9.440	10.440	32.751	47.505	209.79	TOTAL
MEAN	5.58	5.48	4.53	2.56	2.11	0.740	0.715	0.305	0.348	1.06	1.58	6.77	MEAN
MAX	21.7	19.7	16.4	8.55	6.16	1.33	3.17	1.67	0.910	4.08	5.59	41.1	MAX
MIN	1.00	1.95	1.35	0.995	0.711	0.327	0.186	0.111	0.170	0.430	0.441	1.22	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.64
MAXIMUM DAILY, 41.1 ON DEC 30
MINIMUM DAILY, 0.111 ON AUG 06
MAXIMUM INSTANTANEOUS,
44.9 AT 15:40 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 48 34 N
LONG 080 04 36 W
DRAINAGE AREA, 181 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	14 900	JUL	1 920
FEB	13 300	AUG	816
MAR	12 100	SEP	902
APR	6 640	OCT	2 830
MAY	5 650	NOV	4 100
JUN	1 920	DEC	18 100

TOTAL DISCHARGE, 83 200 dam³

NAPANEE RIVER AT CAMDEN EAST - STATION NO. 02HM007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.21B	10.1 B	11.9 B	21.5	17.2	10.5	2.91	1.67	0.762	1.48	4.00	5.85	1
2	4.18B	9.96B	11.6	21.0	16.0	9.96	2.74	1.64	0.702	1.51	3.87	5.94	2
3	4.15B	9.77B	11.4	21.8	15.0	9.63	2.61	1.66	0.649	1.36	3.78	5.98	3
4	4.54B	9.61B	10.9 B	24.1	14.0	8.98	2.50	1.57	0.618	1.37	3.67	9.16	4
5	5.44B	9.42B	10.4 B	25.6	14.1	8.44	2.41	1.57	0.607	1.42	3.73	10.3	5
6	5.77B	9.26B	9.73B	25.5	13.5	7.93	2.21	1.54	0.599	1.29	4.10	9.72	6
7	5.67B	9.09	9.22B	25.4	13.2	7.43	2.02	1.47	0.603	1.27	4.30	9.54	7
8	5.53B	9.13	8.65B	24.8	12.9	6.88	1.96	1.42	0.606	1.27	4.50	9.61	8
9	5.49	10.6	8.19	24.0	12.2	6.63	1.99	1.34	0.694	1.30	4.51	9.93	9
10	5.48	11.8	7.92	24.2	11.9	6.48	1.91	1.28	0.961	1.32	4.80	10.6	10
11	5.53	11.3 B	9.20	26.0	11.5	6.31	1.83	1.24	1.10	1.43	4.97	10.6	11
12	5.46	11.0 B	10.1	26.0	11.0	5.96	1.74	1.25	1.14	1.61	4.92	10.6	12
13	4.96	11.3	10.7	25.3	10.7	5.57	1.66	1.18	1.18	2.19	4.77	10.5 B	13
14	5.27B	13.0	23.7	24.9	10.9	5.18	1.59	1.70	1.19	2.67	4.59	10.4 B	14
15	5.11B	12.3	27.8	25.3	10.5	4.89	1.51	1.62	1.22	2.88	4.46	10.2	15
16	4.98B	12.8 B	31.3	24.7	10.2	4.60	1.51	1.60	1.22	2.92	4.50	9.82	16
17	6.25	11.3 B	35.2	23.9	11.5	4.26	1.46	1.54	1.27	3.13	4.57	9.42B	17
18	13.5 B	11.2 B	37.1	23.2	13.1	4.30	1.44	1.49	1.34	4.10	4.44	9.88	18
19	10.7 B	11.0 B	36.9	22.5	12.8	4.25	1.42	1.46	1.40	5.53	4.40	11.6	19
20	9.03B	10.8 B	36.2	22.0	14.2	4.03	1.58	1.35	1.38	5.44	4.42	11.2 B	20
21	8.57B	10.6 B	35.2	22.4	17.1	4.00	1.50	1.30	1.34	5.30	4.45	11.1	21
22	8.04B	11.5	34.7	21.6	16.8	3.76	1.52	1.30	1.34	5.27	4.61	14.5	22
23	7.74B	16.1	33.9	21.0	16.6	3.64	1.86	1.28	1.33	5.25	4.87	24.0	23
24	8.08B	14.5 B	32.3	20.4	16.4	3.48	1.80	1.23	1.27	5.02	5.03	26.2 B	24
25	8.73B	13.7 B	30.6	21.4	15.9	3.37	1.71	1.23	1.23	4.88	5.19	26.3 B	25
26	10.3	13.2 B	29.2	21.3	15.2	3.10	1.66	1.19	1.19	4.63	5.36	28.7 B	26
27	10.0	12.9 B	27.4	20.3	14.5	2.91	1.62	1.15	1.20	4.36	5.60	29.0 B	27
28	10.1	12.3 B	25.9	19.6	13.6	2.60	1.57	1.09	1.20	4.59	5.81	27.7 B	28
29	10.5		24.4	19.1	12.8	2.74	1.51	1.02	1.19	4.55	5.86	29.0	29
30	10.3		23.2	18.2	11.8	2.87	1.48	0.890	1.51	4.44	5.88	36.3	30
31	10.1		22.3		11.1		1.77	0.797		4.27		34.6 B	31
TOTAL	223.71	319.44	691.81	687.0	418.6	164.68	56.97	42.577	32.041	98.05	139.96	478.25	TOTAL
MEAN	7.22	11.4	22.3	22.9	13.5	5.49	1.84	1.37	1.07	3.16	4.67	15.4	MEAN
MAX	13.5	16.1	37.1	26.0	17.2	10.5	2.91	1.70	1.51	5.53	5.88	36.3	MAX
MIN	4.15	9.09	7.92	18.2	10.2	2.60	1.42	0.797	0.599	1.27	3.67	5.85	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.19
MAXIMUM DAILY, 37.1 ON MAR 18
MINIMUM DAILY, 0.599 ON SEP 06
MAXIMUM INSTANTANEOUS,
37.5 AT 12:37 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 20 03 N
LONG 076 50 15 W
DRAINAGE AREA, 694 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	19 300	JUL	4 920
FEB	27 600	AUG	3 680
MAR	59 800	SEP	2 770
APR	59 400	OCT	8 470
MAY	36 200	NOV	12 100
JUN	14 200	DEC	41 300

TOTAL DISCHARGE, 290 000 dam³

NEEBING RIVER NEAR THUNDER BAY - STATION NO. 02AB008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.083B	0.060B	0.058B	0.765B	7.50	0.844	8.31	0.315	0.123	0.254	0.921	0.610B	1
2	0.082B	0.060B	0.058B	0.795B	5.25	0.938	4.74	0.260	0.130	0.266	0.875	0.575B	2
3	0.080B	0.060B	0.058B	0.825B	4.04	2.12	3.28	0.385	0.121	0.565	0.787	0.545B	3
4	0.079B	0.060B	0.058B	0.860B	3.41	2.97	2.54	0.557	0.111	0.842	0.688	0.500B	4
5	0.078B	0.059B	0.058B	0.890B	2.92	2.52	1.94	0.439	0.104	0.736	0.663	0.475B	5
6	0.077B	0.059B	0.058B	0.925B	2.56	2.38	1.51	0.356	0.093	0.573	0.612	0.445B	6
7	0.076B	0.059B	0.058B	0.965B	2.39	2.13	1.67	0.308	0.091	0.450	0.576	0.425B	7
8	0.075B	0.059B	0.058B	1.00 B	3.33	1.87	5.35	0.260	0.085	0.369	0.457	0.395B	8
9	0.074B	0.058B	0.058B	1.03 B	4.34	1.78	9.55	0.233	0.097	0.318	0.528	0.380B	9
10	0.072B	0.058B	0.058B	1.07 B	3.95	1.59	5.27	0.202	0.103	0.292	0.408	0.365B	10
11	0.072B	0.058B	0.060B	1.12 B	3.30	1.39	3.26	0.230	0.106	0.261	0.420	0.350B	11
12	0.071B	0.058B	0.155B	1.10 B	2.76	1.42	2.50	0.198	0.123	0.349	0.313	0.340B	12
13	0.070B	0.058B	0.353B	1.19	2.38	5.28	1.68	0.186	0.187	0.367	0.325	0.332B	13
14	0.069B	0.058B	0.900B	1.33	2.47	3.86	1.26	0.178	0.167	0.501	0.340	0.323B	14
15	0.068B	0.058B	2.50 B	1.33	2.84	2.64	1.05	0.158	0.197	0.578	0.330	0.315B	15
16	0.068B	0.058B	7.07 B	1.60	4.78	2.00	0.938	0.137	0.266	0.516	0.347	0.306B	16
17	0.067B	0.058B	6.20 B	1.50	10.7	2.36	0.826	0.177	0.189	1.04	0.301	0.298B	17
18	0.066B	0.058B	3.20 B	1.50	8.96	4.32	0.862	0.142	0.192	1.95	0.315	0.292B	18
19	0.066B	0.058B	1.47 B	1.46	5.98	4.10	0.708	0.123	0.234	1.85	0.339	0.284B	19
20	0.065B	0.058B	1.15 B	1.84	4.42	3.35	0.596	0.121	0.235	1.80	0.301	0.278B	20
21	0.064B	0.058B	0.960B	2.47	3.59	3.33	0.918	0.112	0.370	2.71	1.03	0.273B	21
22	0.064B	0.058B	0.860B	2.68	3.00	2.94	0.555	0.111	0.326	2.96	1.43	0.266B	22
23	0.064B	0.058B	0.820B	2.69	2.72	2.33	0.822	0.101	0.279	2.74	1.31	0.260B	23
24	0.063B	0.058B	0.780B	2.91	2.37	1.73	0.873	0.084	0.261	2.28	1.02	0.254B	24
25	0.062B	0.058B	0.760B	3.26	2.10	1.49	0.665	0.374	0.248	1.94	0.923	0.247B	25
26	0.062B	0.058B	0.740B	4.39	1.89	2.68	0.612	0.280	0.212	1.75	0.850	0.242B	26
27	0.062B	0.058B	0.720B	5.18	1.68	3.12	0.566	0.218	0.213	1.43	0.845B	0.236B	27
28	0.062B	0.058B	0.705B	10.4	1.56	2.81	0.513	0.177	0.231	1.30	0.780B	0.230B	28
29	0.061B		0.700B	12.4	1.49	2.44	0.658	0.169	0.204	1.15	0.720B	0.225B	29
30	0.061B		0.715B	10.1	1.55	9.93	0.576	0.153	0.196	1.04	0.665B	0.220B	30
31	0.060B		0.725B		1.03		0.409	0.126		0.991		0.215B	31
TOTAL	2.143	1.636	32.123	79.625	110.66	86.662	64.910	6.870	5.494	34.168	19.419	10.501	TOTAL
MEAN	0.069	0.058	1.04	2.65	3.57	2.89	2.09	0.222	0.183	1.10	0.647	0.339	MEAN
MAX	0.083	0.060	7.07	12.4	10.7	9.93	9.55	0.557	0.370	2.96	1.43	0.610	MAX
MIN	0.060	0.058	0.058	0.765	1.03	0.844	0.409	0.084	0.085	0.254	0.301	0.215	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.24
MAXIMUM DAILY, 12.4 ON APR 29
MINIMUM DAILY, 0.058B ON FEB 09
MAXIMUM INSTANTANEOUS,
13.2 AT 02:22 EST ON APR 29

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 22 56 N
LONG 089 18 28 W
DRAINAGE AREA, 187 km²

B - ICE CONDITIONS

* NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	185	JUL	5 610
FEB	141	AUG	594
MAR	2 780	SEP	475
APR	6 880	OCT	2 950
MAY	9 560	NOV	1 680
JUN	7 490	DEC	907

TOTAL DISCHARGE, 39 300 dam³

NIAGARA RIVER AT QUEENSTON - STATION NO. 02HA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5 670	5 480	6 180	6 010	6 240	6 380	5 580	6 000	5 920	6 160	5 720	5 900	1
2	5 780	5 390	6 270	6 170	6 290	5 850	6 120	6 020	5 960	6 390	5 940	5 460	2
3	5 430	4 870	6 030	6 190	6 160	5 990	6 140	6 070	5 810	6 060	5 780	5 370	3
4	5 270	5 050	5 630	6 740	6 070	6 760	6 010	5 590	6 110	6 340	5 610	6 790	4
5	5 600	5 650	5 880	6 970	5 880	6 460	6 120	5 570	6 110	6 570	5 450	6 630	5
6	5 330	5 820	5 500	6 550	5 860	6 540	5 990	5 990	6 260	5 950	6 860	6 590	6
7	5 150	5 700	5 650	6 110	6 440	6 500	5 700	5 950	6 240	5 700	6 100	6 360	7
8	5 390	5 720	5 830	6 070	6 480	6 270	5 360	6 100	5 560	5 750	6 110	5 860	8
9	5 430	5 810	5 940	6 320	6 330	6 070	6 240	6 150	5 560	5 610	5 940	5 670	9
10	5 690	5 790	5 880	6 290	6 540	5 900	5 930	5 920	6 200	5 590	5 620	6 120	10
11	5 770	5 650	5 900	6 590	6 900	6 300	6 060	5 670	6 220	6 180	6 240	5 850	11
12	6 010	5 840	6 260	6 640	6 050	6 270	5 540	5 500	6 260	5 980	6 240	5 970	12
13	5 600	5 910	6 360	6 440	5 770	6 350	5 500	6 090	6 170	5 590	6 250	6 290	13
14	5 090	5 490	6 290	6 030	6 350	6 550	5 410	6 140	6 180	5 570	6 000	6 140	14
15	5 380	5 290	6 170	6 130	6 340	6 290	5 530	6 240	6 150	6 500	6 000	5 560	15
16	5 510	5 760	6 370	6 330	6 470	5 770	6 190	6 280	5 640	6 280	6 140	5 780	16
17	5 410	6 220	6 090	6 490	6 680	5 690	6 130	6 230	6 050	6 180	5 740	5 920	17
18	5 790	5 670	6 130	6 470	7 030	6 380	6 160	5 680	6 150	6 690	5 380	6 100	18
19	5 800	6 300	6 170	6 350	6 400	6 320	6 140	5 340	6 070	6 940	5 760	6 230	19
20	5 170	5 930	6 160	6 370	6 030	6 160	6 210	5 770	6 040	5 800	5 860	6 070	20
21	5 340	5 920	6 240	5 900	6 420	6 290	5 750	5 870	6 080	5 430	5 970	6 070	21
22	6 040	5 900	6 140	5 900	6 400	6 130	5 280	5 890	6 200	6 070	5 600	5 860	22
23	5 620	6 300	6 110	6 370	6 450	6 090	6 010	6 120	6 330	6 000	6 070	5 860	23
24	5 640	5 980	5 870	6 280	6 500	5 930	6 110	6 150	6 610	6 010	5 950	6 620	24
25	5 630	6 020	5 880	6 240	6 350	6 180	6 150	5 710	6 530	5 940	5 880	6 820	25
26	6 110	6 230	6 230	6 420	6 050	6 230	6 070	5 540	6 270	5 950	5 780	6 830	26
27	5 300	6 320	6 110	6 330	5 980	6 410	6 050	6 170	6 140	5 790	5 840	6 270	27
28	5 350	6 200	5 890	5 940	6 030	5 920	5 700	6 180	6 000	6 060	6 120	6 020	28
29	5 460		5 750	5 790	6 340	6 180	5 430	6 280	5 560	5 940	6 310	6 120	29
30	5 560		5 980	6 210	6 370	5 840	6 130	6 060	5 550	6 150	6 290	6 250	30
31	5 430		5 800		6 570		6 030	5 910		5 930		6 610	31
TOTAL	171 750	162 210	186 690	188 640	195 770	185 500	182 770	184 180	181 930	187 100	178 550	189 990	TOTAL
MEAN	5 540	5 790	6 020	6 290	6 320	6 180	5 900	5 940	6 060	6 040	5 950	6 130	MEAN
MAX	6 110	6 320	6 370	6 970	7 030	6 760	6 240	6 280	6 610	6 940	6 860	6 830	MAX
MIN	5 090	4 870	5 500	5 790	5 770	5 690	5 280	5 340	5 550	5 430	5 380	5 370	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6 010
MAXIMUM DAILY, 7 030 ON MAY 18
MINIMUM DAILY, 4 870 ON FEB 03

DATA CONTRIBUTED BY -
OTHER FEDERAL

REMARKS - DISCHARGES INCLUDE FLOW FROM WELLAND CANAL TO WELLAND RIVER

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 43 09 25 N
LONG 079 02 50 W
DRAINAGE AREA, 686 000 km²

REGULATED SINCE 1955

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	14 800 000	JUL	15 800 000
FEB	14 000 000	AUG	15 900 000
MAR	16 100 000	SEP	15 700 000
APR	16 300 000	OCT	16 200 000
MAY	16 900 000	NOV	15 400 000
JUN	16 000 000	DEC	16 400 000

TOTAL DISCHARGE, 190 000 000 dam³

NIPIGON RIVER AT PINE PORTAGE - STATION NO. 02AD008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	251	294	248	240	128	110	430	511	400	315	325	274	1
2	269	306	238	284	116	120	431	514	401	256	304	283	2
3	304	326	243	217	119	116	437	500	365	352	295	283	3
4	309	279	280	164	96.0	220	437	489	251	359	301	279	4
5	309	285	266	178	108	309	452	492	170	360	305	277	5
6	312	292	242	223	118	305	438	500	151	356	305	275	6
7	296	298	228	201	113	298	440	408	325	362	303	275	7
8	275	296	237	144	131	334	429	388	387	365	304	275	8
9	303	289	249	115	129	365	419	385	368	365	306	279	9
10	297	290	125	181	104	371	401	400	380	365	303	278	10
11	300	305	122	226	102	370	455	400	380	365	303	272	11
12	300	307	240	156	118	369	501	401	369	364	285	279	12
13	306	303	195	235	98.0	364	508	398	382	356	297	271	13
14	305	294	192	257	110	385	508	384	375	360	305	279	14
15	306	300	212	137	113	371	476	376	382	361	305	277	15
16	304	369	201	121	116	372	504	390	382	329	301	273	16
17	301	342	117	225	111	382	451	402	382	330	305	280	17
18	302	301	115	244	122	382	500	392	335	333	304	274	18
19	306	304	224	249	101	371	506	406	311	353	298	280	19
20	308	303	185	121	107	384	534	392	312	347	302	270	20
21	317	279	184	118	116	392	482	391	393	348	300	273	21
22	310	298	194	119	112	417	502	393	390	351	304	273	22
23	307	305	215	120	111	437	504	392	388	351	300	273	23
24	315	297	172	75.0	109	440	518	388	391	354	311	273	24
25	320	298	180	109	106	437	529	388	407	350	292	274	25
26	335	353	188	110	106	449	534	385	460	317	301	280	26
27	308	303	203	110	120	450	513	385	339	308	304	280	27
28	302	248	196	102	108	454	513	397	250	302	300	272	28
29	303		193	107	104	448	518	341	178	315	283	281	29
30	304		201	148	110	466	513	317	129	316	282	263	30
31	306		218		114		515	401		325		267	31
TOTAL	9 390	8 464	6 303	5 036.0	3 476.0	10 688	14 898	12 706	10 133	10 583	9 033	8 542	TOTAL
MEAN	303	302	203	168	112	356	481	410	338	341	301	276	MEAN
MAX	335	369	280	284	131	466	534	514	460	365	325	283	MAX
MIN	251	248	115	75.0	96.0	110	401	317	129	250	282	263	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 299
MAXIMUM DAILY, 534 ON JUL 20
MINIMUM DAILY, 75.0 ON APR 24

DATA CONTRIBUTED BY -
ONTARIO HYDRO

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 49 18 28 N
LONG 088 18 40 W
DRAINAGE AREA, 24 600 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	811 000	JUL	1 290 000
FEB	731 000	AUG	1 100 000
MAR	545 000	SEP	875 000
APR	435 000	OCT	914 000
MAY	300 000	NOV	780 000
JUN	923 000	DEC	738 000

TOTAL DISCHARGE, 9 440 000 dam³

NISSOURI CREEK NEAR EMBRO - STATION NO. 02GD022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.079B	0.473	0.320B	0.473	0.113	0.100	0.050	0.117	0.177	0.194	0.242	0.484	1
2	0.182B	0.687	0.380B	0.597	0.102	0.096	0.039	0.073	0.130	0.193	0.334	0.470	2
3	0.375B	0.528	0.435B	0.647	0.094	0.151	0.027	0.051	0.089	0.173	0.223	0.471	3
4	1.62 B	0.440B	0.230B	0.574	0.117	0.163	0.020	0.046	0.072	1.09	0.216	0.935	4
5	1.90 B	0.376	0.192B	0.463	0.195	0.124	0.019	0.058	0.071	0.779	2.56	0.671	5
6	0.710B	0.344	0.165B	0.409	0.146	0.111	0.014	0.048	0.114	0.471	5.29	0.564	6
7	0.495B	0.347	0.145B	0.348	0.126	0.093	0.011	0.035	0.377	0.335	1.61	0.497	7
8	0.360B	0.893	0.200B	0.293	0.101	0.123	0.021	0.032	0.215	0.421	1.09	0.454	8
9	0.320B	3.36	0.700B	0.269	0.085	0.117	6.64	0.022	0.165	1.63	0.811	0.484	9
10	0.305B	1.97	1.07	0.481	0.112	0.087	0.744	0.022	0.129	1.80	0.796	0.641	10
11	0.270B	0.941	1.59	1.01	0.105	0.077	0.315	0.022	0.106	2.12	0.642	0.606	11
12	0.245B	0.588	4.64	0.609	0.096	0.063	0.159	0.266	0.080	1.40	0.535	0.578	12
13	0.225B	0.550	3.28	0.440	0.429	0.061	0.104	0.575	0.068	1.40	0.479	0.905	13
14	0.210B	0.528	2.11	0.430	0.148	0.056	0.160	0.306	0.421	0.847	0.457	0.599	14
15	0.200B	0.450B	1.42	0.534	0.251	0.046	0.315	0.166	1.48	0.599	0.461	0.511	15
16	0.191B	0.385B	1.16	0.498	0.702	0.036	0.207	0.122	0.820	0.453	0.456	0.484	16
17	2.30 B	0.320B	0.973	0.510	2.05	0.039	0.140	0.098	0.506	0.407	0.392	0.476	17
18	5.83	0.270B	0.678	0.406	1.75	0.037	0.113	0.074	0.334	1.25	0.354	0.937	18
19	2.15	0.250B	0.534	0.335	0.941	0.030	0.119	0.733	0.310	1.06	0.333	0.943	19
20	1.18	0.230B	0.476	0.380	1.43	0.027	0.506	0.682	0.281	0.711	0.302	0.670	20
21	0.803	0.222B	0.444	0.639	1.69	0.030	0.369	0.394	0.235	0.559	0.294	0.688	21
22	0.574	4.30 B	0.536	0.524	0.922	0.031	0.233	0.271	0.235	0.483	1.12	1.27	22
23	0.520B	5.33	0.929	0.402	0.588	0.131	0.249	0.203	0.245	0.429	1.02	1.46	23
24	0.741	1.42 B	0.567	0.320	0.409	0.135	0.159	0.147	0.333	0.354	0.781	0.968	24
25	1.28	1.00 B	0.428	0.265	0.311	0.070	0.110	0.125	0.296	0.316	0.619	0.686	25
26	1.41	0.460B	0.348	0.221	0.260	0.056	0.080	0.096	0.242	0.293	0.489	0.570B	26
27	0.934	0.390B	0.295B	0.191	0.219	0.052	0.061	0.079	0.191	0.259	0.686	0.468B	27
28	1.29	0.350B	0.252	0.169	0.183	0.042	0.052	1.72	0.177	0.280	1.03	0.408B	28
29	0.732		0.242	0.145	0.156	0.084	0.041	1.08	0.159	0.278	0.799	7.63	29
30	0.518B		0.180	0.130	0.130	0.061	0.143	0.465	0.182	0.261	0.586	6.33	30
31	0.374		0.467		0.113		0.243	0.242		0.256		1.77	31
TOTAL	28.323	27.402	23.586	12.712	14.274	2.329	11.463	7.970	8.240	21.101	24.907	34.558	TOTAL
MEAN	0.914	0.979	0.761	0.424	0.461	0.078	0.370	0.257	0.275	0.681	0.830	1.11	MEAN
MAX	5.83	5.33	3.28	1.01	2.05	0.163	6.64	1.32	1.48	2.12	5.29	7.63	MAX
MIN	0.079	0.222	0.145	0.130	0.085	0.027	0.011	0.022	0.068	0.173	0.216	0.400	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.594
MAXIMUM DAILY, 7.63 ON DEC 29
MINIMUM DAILY, 0.011 ON JUL 07
MAXIMUM INSTANTANEOUS,
19.7 AT 03:49 EST ON JUL 09

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 07 48 N
LONG 080 57 48 W
DRAINAGE AREA, 29.1 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 450	JUL	990
FEB	2 370	AUG	689
MAR	2 040	SEP	712
APR	1 100	OCT	1 820
MAY	1 230	NOV	2 150
JUN	201	DEC	2 990

TOTAL DISCHARGE, 18 700 dam³

REMARKS - DATA FOR 1975-77, 1984-86 AVAILABLE FROM OMOE

NITH RIVER ABOVE NITHBURG - STATION NO. 02GA038

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.830B	3.91	1.35 B	6.60 E	0.608	0.700E	1.29	0.359	0.256	9.76	0.774	4.09
2	0.865B	7.60	1.17 B	9.00 E	0.507	0.620E	0.755	0.340	0.187	4.17	0.708	3.06
3	0.960B	5.50B	1.03 B	12.5 E	0.442	0.780E	0.506	0.242	0.137	2.55	0.671	3.49
4	1.60 B	3.80B	0.940B	10.2 E	0.415	1.20 E	0.353	0.189	0.110	2.69	0.631	3.72
5	2.90 B	2.50B	0.850B	8.60 E	0.700	0.950E	0.309	0.166	0.125	4.61	13.0	4.54
6	7.30 B	1.80B	0.800B	6.30 E	0.758	0.760E	0.239	0.143	0.121	3.33	84.0	4.11
7	6.00 B	1.72	0.760B	4.80 E	0.760	0.357E	0.192	0.108	0.647	2.00	17.8	3.16
8	4.70 B	6.04	0.750B	3.55 E	0.613	0.297	0.228	0.093	0.596	1.48	9.30	2.74
9	3.80 B	40.0 B	2.47	2.55 E	0.522	0.292	4.26	0.080	0.315	58.3	6.36	2.68
10	3.30 B	30.2 B	8.00 E	3.50 E	0.486	0.251	2.69	0.066	0.323	60.5	5.10	4.97
11	2.70 B	11.0	24.4 E	6.40 A	0.471	0.207	1.21	0.094	0.273	33.8	4.43	4.74
12	2.50 B	5.68	97.0 E	4.30	0.433	0.169	0.682	0.121	0.217	16.6	3.97	3.44
13	2.25 B	4.41	88.0 E	2.80	0.499	0.143	0.439	0.167	0.180	18.4	2.97	15.9
14	2.05 B	6.36	78.0 E	2.43	0.534E	0.139	0.363	0.242	0.335	8.79	2.83	8.19
15	1.92 B	3.05B	54.0 E	4.30	0.713E	0.162	0.407	0.204	4.95	5.39	4.95	4.23
16	1.78 B	2.40B	37.0 E	4.73	2.06	0.126	0.337	0.224	3.03	3.88	5.46	3.12
17	6.00 B	2.00B	23.0 E	5.14	6.43	0.110	0.300	0.260	1.91	4.4	4.08	2.48
18	16.0 B	1.71B	15.6 E	5.97	5.13	0.090	0.324	0.204	1.07	3.0	3.07	6.19
19	36.0 B	1.50B	9.60 E	3.63	5.74	0.076	0.266	0.264	0.764	15.8	2.37	11.3
20	24.6	1.38B	6.60 E	2.89	9.69	0.065	0.316	0.269	0.623	7.30	1.97	5.81
21	13.7	1.30B	4.40 E	5.26	11.8	0.065	0.313	0.228	0.500	4.42	1.71	4.06
22	8.64	8.00B	13.0	4.44	6.04	0.072	0.274	0.180	0.440	3.29	13.1	19.2
23	5.65	28.0 B	33.5	3.07	3.84	1.28	0.241	0.147	0.416	2.67	16.3	17.5
24	4.57	11.0 B	23.8	2.32	2.82	9.08	0.191	0.117	0.423	2.21	11.9	7.93
25	6.80 B	4.00B	14.0	1.82	2.30	3.66	0.154	0.108	0.386	1.83	9.67	4.16
26	9.10 B	2.60B	7.40 E	1.46	1.88	1.68	0.121	0.099	0.518	1.49	7.38	3.48
27	10.9 B	2.05B	4.20 E	1.21	1.58	1.00	0.104	0.087	0.954	1.30	12.3	4.16
28	17.3	1.60B	3.55 E	1.01	1.32 E	0.669	0.092	0.207	0.542	1.19	25.2	4.74
29	12.7		3.20 E	0.859	1.08 E	0.753	0.083	0.559	0.465	1.05	13.0	56.6
30	6.80		3.60 E	0.744	0.972E	2.03	0.240	0.550	10.4	0.927	6.24	100
31	4.30		4.60 E		0.840E		0.646	0.398		0.847		20.1
TOTAL	228.515	201.11	566.470	132.653	75.983	27.776	17.925	6.315	31.013	313.974	290.744	341.59
MEAN	7.37	7.18	18.3	4.42	2.45	0.926	0.578	0.204	1.03	10.1	9.69	11.0
MAX	36.0	40.0	97.0	12.5	11.8	9.08	4.26	0.550	10.4	60.5	84.0	100
MIN	0.830	1.30	0.750	0.744	0.415	0.065	0.083	0.066	0.110	0.847	0.631	2.48

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.12
MAXIMUM DAILY, 100 ON DEC 30
MINIMUM DAILY, 0.065 ON JUN 20
MAXIMUM INSTANTANEOUS,
170 AT 01:50 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 29 02 N
LONG 080 50 06 W
DRAINAGE AREA, 326 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	19 700	JUL	1 550
FEB	17 400	AUG	546
MAR	48 900	SEP	2 680
APR	11 500	OCT	27 100
MAY	6 560	NOV	25 100
JUN	2 400	DEC	29 500

TOTAL DISCHARGE, 193 000 da

NITH RIVER NEAR CANNING - STATION NO. 02GA010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.30B	11.5 B	8.50B	10.6	5.18	4.36	3.32	3.20E	3.10E	3.86	5.71	17.3
2	5.40B	10.0 B	7.60B	11.2	4.76	4.09	3.67	3.10E	2.90E	12.9	5.55	13.1
3	5.90B	9.30B	7.00B	13.4	4.62	4.67	3.99	2.95E	2.80E	10.2	5.35	11.7
4	6.60B	8.60B	6.40B	15.2	4.10	4.70	4.27	2.65E	2.70E	8.42	5.18	14.3
5	7.50B	8.10B	5.80B	15.1	4.87	4.27	2.86	2.40E	2.63A	7.83	6.51	15.2
6	8.60B	7.80B	5.40B	12.6	5.11	4.02	2.62	2.40E	2.57	7.40	27.1	14.7
7	10.3 B	7.60B	5.00B	10.7	5.12	4.09	2.37	2.35E	2.84	8.13	82.4	13.6
8	12.0 B	10.4 B	4.70B	9.24	5.23	4.01	2.34	2.20E	3.01	7.22	52.8	11.7
9	11.5 B	22.9	5.30B	8.39	4.67	3.88	7.20	1.95E	3.69	7.05	26.1	10.9
10	10.8 B	54.2	13.2 B	8.34	4.65	3.66	9.05	1.85E	4.25	21.7	19.2	11.3
11	10.2 B	53.8	34.6	10.7	4.54	3.44	9.47	1.70E	3.83	66.7	16.2	13.5
12	9.70B	27.0 B	70.8	14.9	4.45	3.22	6.76	1.70E	3.18	47.1	14.3	14.0
13	9.40B	15.0 B	99.6	14.2	5.75	3.08	5.04	1.70E	2.84	35.5	12.8	13.5
14	9.10B	12.0 B	116	11.5	6.84	3.01	4.05	1.90E	2.99	33.6	11.4	24.2
15	8.90B	10.2 B	70.7	10.6	6.13	2.87	3.93	2.20E	5.35	20.9	11.3	21.8
16	8.80B	9.20B	46.7	11.1	6.72	2.70	3.58	2.00E	5.50	14.0	11.5	14.0
17	11.0 B	8.40B	38.8	12.9	8.27	2.67	3.26A	1.90E	8.47	11.9	12.6	11.6
18	17.0 B	7.60B	34.8	12.2	13.5	2.66	3.16E	1.80E	6.67	20.6	11.7	11.2
19	40.0 B	7.10B	24.9	12.8	21.4	2.47	2.65E	1.70E	5.42	19.0	10.2	13.6
20	33.0 B	6.80B	18.2	11.8	16.8	2.36	2.75E	4.70E	4.68	34.7	9.10	23.2
21	26.0 B	6.70B	15.2	11.3	18.8	2.24	2.55E	5.40E	4.11	19.6	8.39	17.3
22	17.0 B	14.6 B	13.5	11.7	26.8	2.33	3.60E	5.00E	3.88	14.0	8.45	16.0
23	15.9 B	61.6	11.9	12.7	17.1	3.32	3.65E	4.30E	3.73	11.5	11.9	32.4
24	15.0 B	64.5	43.0	10.9	12.3	4.07	3.55E	3.60E	3.57	10.1	31.2	40.2
25	16.0 B	37.6	24.4	9.36	9.91	4.22	3.40E	3.10E	3.47	9.06	23.0	22.0 B
26	18.0 B	17.0 B	15.2	8.27	8.33	9.82	3.25E	2.60E	3.46	8.27	18.5	12.0 B
27	21.5 B	11.5 B	12.2	7.40	7.20	6.69	3.05E	2.40E	3.28	7.55	18.4	8.00B
28	22.5 B	9.90B	10.6	6.70	6.31	4.76	2.95E	2.55E	3.08	7.04	17.1	10.5 B
29	21.0 B		9.62	6.10	5.73	4.07	2.60E	2.90E	3.35	6.61	26.1	25.0 B
30	17.0 B		9.33	5.67	5.29	3.66	2.50E	3.20E	3.93	6.26	29.3	28.6
31	13.3 B		9.69		4.74		2.85E	3.35E		5.98		148
TOTAL	444.60	530.90	803.24	328.57	265.22	115.37	119.29	85.75	115.25	524.26	559.34	703.40
MEAN	14.3	19.0	25.9	11.0	8.56	3.85	3.85	2.77	3.84	16.9	18.6	22.7
MAX	40.0	64.5	116	15.2	26.8	9.82	9.47	5.40	8.47	66.7	82.4	148
MIN	5.30	6.70	4.70	5.67	4.10	2.24	2.34	1.70	2.57	3.86	5.18	8.00

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.6
MAXIMUM DAILY, 148 ON DEC 31
MINIMUM DAILY, 1.70E ON AUG 11
MAXIMUM INSTANTANEOUS,
173 AT 19:09 EST ON DEC 31

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 11 26 N
LONG 080 27 17 W
DRAINAGE AREA, 1 030 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	38 400	JUL	10 300
FEB	45 900	AUG	7 410
MAR	69 400	SEP	9 960
APR	28 400	OCT	45 300
MAY	22 900	NOV	48 300
JUN	9 970	DEC	60 800

TOTAL DISCHARGE, 397 000 da

NOLIN CREEK AT SUDBURY - STATION NO. 02CF009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.013B	0.139B	0.044B	0.586	0.110	0.186	0.840	0.140	0.010	0.354	0.243	0.890	1
2	0.014B	0.132B	0.043B	0.691	0.114	0.166	0.504	0.085	0.008	0.451	0.227	0.643	2
3	0.023B	0.120B	0.037B	0.299	0.106	0.166	0.324	0.094	0.008	0.329	0.231	0.407	3
4	0.020	0.123E	0.033B	0.434	0.104	0.143	0.222	0.170	0.017	0.478	0.313	0.335	4
5	0.031	0.120	0.030B	0.476	0.099	0.137	0.176	0.172	0.019	0.322	0.228	0.282B	5
6	0.030	0.122	0.029B	0.374	0.103	0.127	0.145	0.148	0.010	0.204	0.256	0.255B	6
7	0.028	0.125	0.030B	0.300	0.108	0.120	0.115	0.113E	0.011	0.159	0.272B	0.242B	7
8	0.030	0.118	0.039B	0.254	0.328	0.108	0.203	0.083E	0.011	0.131	0.292B	0.238B	8
9	0.029	0.120B	0.044B	0.296	0.258	0.221	0.173	0.076E	0.011	0.143	0.310B	0.240B	9
10	0.030	0.127B	0.060B	0.511	0.428	0.160	0.150	0.074E	0.016	0.873	0.350B	0.250B	10
11	0.030	0.119B	0.110B	0.492	0.496	0.125	0.119	0.080E	0.013	1.30	0.330B	0.210B	11
12	0.032	0.111B	0.250B	0.354	0.306	0.112	0.107	0.075E	0.025	0.737	0.305B	0.186B	12
13	0.030	0.115	1.00 B	0.313	0.210	0.101	0.158	0.074E	0.021	0.489	0.292B	0.170B	13
14	0.029	0.095	2.00 B	0.316	0.150	0.121	0.099	0.066E	0.435	0.391	0.285	0.150B	14
15	0.028	0.086	3.00 B	0.356	0.177	0.103	0.109	0.062E	0.178	0.475	0.753	0.137B	15
16	0.030	0.081	2.90 B	0.332	1.09	0.096	0.105	0.060E	0.079	0.350	1.40	0.120B	16
17	0.054B	0.074	3.41	0.473	3.71	0.097	0.113	0.059E	0.041	1.15	1.02	0.115	17
18	0.160B	0.069	2.54 E	0.567	3.34	0.295	0.102	0.057E	0.036	1.84	0.731	0.100	18
19	0.250B	0.069	2.17 E	0.498	2.03	0.381	0.098	0.056E	0.025	1.30	0.599	0.090B	19
20	0.270B	0.059	1.66 E	0.418	1.58	0.217	0.091	0.055E	0.021	0.931	0.591	0.083B	20
21	0.255B	0.064	1.35 E	0.363	1.24	0.158	0.090	0.054E	0.067	0.757	0.771	0.080B	21
22	0.235B	0.063	1.18 E	0.306	0.899	0.124	0.089	0.048E	0.184	0.648	1.40	0.092B	22
23	0.210B	0.064	0.931	0.213	0.529	2.60	0.081	0.038E	0.110	0.492	1.06	0.080B	23
24	0.205B	0.057	0.795	0.237	0.341	1.27	0.082	0.033	0.080	0.414	0.858	0.072B	24
25	0.194B	0.051	0.599	0.324	0.279	0.900	0.079	0.030	0.086	0.342	0.658	0.066B	25
26	0.183B	0.049	0.428	0.239	0.239	0.566	0.072	0.026	0.078	0.297	0.586	0.059B	26
27	0.177B	0.045	0.400	0.185	0.221	0.331	0.091	0.027	0.060	0.295	1.55	0.054B	27
28	0.167B	0.044	0.359	0.155	0.188	0.221	0.073	0.225	0.047	0.339	2.14	0.052B	28
29	0.159B		0.282	0.133	0.161	1.21	0.076	0.085	0.036	0.314	1.33	0.056B	29
30	0.152B		0.265	0.118	0.141	1.27	0.304	0.020	0.158	0.318	1.08	0.044B	30
31	0.145B		0.272		0.151		0.153	0.013		0.279		0.037B	31
TOTAL	3.259	2.569	26.290	10.623	19.236	11.934	5.137	2.406	1.901	16.912	20.461	5.835	TOTAL
MEAN	0.105	0.092	0.848	0.354	0.621	0.398	0.166	0.078	0.063	0.546	0.682	0.188	MEAN
MAX	0.270	0.139	3.41	0.691	3.71	2.60	0.840	0.225	0.435	1.84	2.14	0.890	MAX
MIN	0.013	0.044	0.029	0.118	0.099	0.096	0.072	0.013	0.008	0.131	0.227	0.037	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.347
MAXIMUM DAILY, 3.71 ON MAY 17
MINIMUM DAILY, 0.008 ON SEP 02
MAXIMUM INSTANTANEOUS,
7.91 AT 22:36 EST ON MAY 17

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 29 51 N
LONG 081 00 25 W
DRAINAGE AREA, 21.5 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1966

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	282	JUL	444
FEB	222	AUG	208
MAR 2	270	SEP	164
APR	918	OCT 1	460
MAY 1	660	NOV 1	770
JUN 1	030	DEC	504

TOTAL DISCHARGE, 10 900 dam³

NORBERG CREEK (SITE A) ABOVE BATCHAWANA RIVER - STATION NO. 02BF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.140	0.130B	0.094B	0.398	0.834	0.188	0.226	0.065	0.007	0.047	0.244	0.596	1
2	0.129	0.130B	0.095B	0.404	0.667	0.168	0.202	0.061	0.006	0.050	0.222	0.532	2
3	0.114	0.123B	0.093B	0.379	0.564	0.248	0.173	0.055	0.004	0.049	0.217	0.466	3
4	0.109	0.115B	0.089B	0.391	0.487	0.215	0.159	0.052	0.008	0.077	0.209	0.422B	4
5	0.104	0.108B	0.082B	0.378A	0.431	0.199	0.145	0.047	0.009	0.061	0.194	0.401	5
6	0.088B	0.102B	0.074B	0.372E	0.392	0.212	0.132	0.039	0.006	0.058	0.179	0.372	6
7	0.090B	0.098B	0.064B	0.372E	0.375	0.191	0.120	0.032	0.005	0.055	0.160	0.340	7
8	0.084B	0.100B	0.064B	0.360E	0.451	0.176	0.193	0.031	0.006	0.050	0.148	0.321	8
9	0.079B	0.103B	0.063B	0.342E	0.469	0.177	0.189	0.033	0.005	0.049	0.152	0.288	9
10	0.080B	0.106B	0.066B	0.332E	0.828	0.167	0.173	0.044	0.003	0.047	0.158	0.266	10
11	0.094B	0.106B	0.090B	0.321E	0.739	0.153	0.156	0.039	0.003	0.050	0.155	0.251	11
12	0.120B	0.102B	0.012B	0.313E	0.725	0.145	0.140	0.037	0.033	0.044	0.157	0.236	12
13	0.138B	0.094B	0.164B	0.384	0.695	0.381	0.129	0.037	0.033	0.042	0.151	0.220B	13
14	0.130B	0.092B	0.664B	0.439	0.620	0.280	0.121	0.033	0.042	0.070	0.136	0.203B	14
15	0.119B	0.092B	1.11 B	0.464	0.572	0.227	0.124	0.029	0.036	0.104A	0.140	0.197	15
16	0.116B	0.093B	1.60 B	0.443	0.574	0.229	0.124	0.025	0.032	0.052	0.277	0.178	16
17	0.112B	0.092B	1.65 B	0.434	0.686	0.349	0.128	0.024	0.025	0.170	0.236	0.170	17
18	0.110B	0.110B	2.73	0.438	0.747	0.382	0.121	0.022	0.021	0.838	0.196	0.178	18
19	0.113B	0.127B	1.37	0.440	0.682	0.354	0.123	0.015	0.023	0.551	0.190	0.175B	19
20	0.111B	0.123B	1.06	0.568	0.636	0.333	0.117	0.010	0.026	0.546	0.186	0.159B	20
21	0.109B	0.116B	0.851	0.729	0.596	0.324	0.106	0.009	0.056	1.04	0.601	0.156B	21
22	0.111B	0.110B	0.701	1.02	0.551	0.317	0.099	0.007	0.069	0.969	1.02	0.168B	22
23	0.112B	0.112B	0.592B	1.35	0.502	0.295	0.093	0.007	0.063	0.884	0.960	0.172B	23
24	0.119B	0.106B	0.537	1.06	0.452	0.257	0.085	0.006	0.056	0.782	1.01	0.170B	24
25	0.120B	0.098B	0.488	2.24	0.420	0.218	0.077	0.009	0.052	0.658	0.890	0.180B	25
26	0.123B	0.092B	0.420B	2.41	0.392	0.206	0.070	0.012	0.049	0.549	0.719	0.190B	26
27	0.125B	0.095B	0.395B	2.25	0.364	0.195	0.065	0.011	0.046	0.456	0.730	0.202B	27
28	0.123B	0.098B	0.394	1.82	0.320	0.177	0.063	0.010	0.045	0.417	0.838	0.175B	28
29	0.128B		0.347	1.41	0.282	0.332	0.086	0.009	0.043	0.370	0.698	0.175B	29
30	0.134B		0.320	1.09	0.237	0.270	0.100	0.008	0.040	0.334	0.635	0.192B	30
31	0.132B		0.347		0.208		0.078	0.005		0.285		0.190B	31
TOTAL	3.516	2.973	16.724	24.151	16.499	7.365	3.917	0.823	0.852	9.754	11.808	7.938	TOTAL
MEAN	0.113	0.106	0.540	0.805	0.532	0.246	0.126	0.027	0.028	0.315	0.394	0.256	MEAN
MAX	0.140	0.130	2.73	2.41	0.834	0.382	0.226	0.065	0.069	1.04	1.02	0.596	MAX
MIN	0.079	0.092	0.012	0.313	0.208	0.145	0.063	0.005	0.003	0.042	0.136	0.156	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.291
MAXIMUM DAILY, 2.73 ON MAR 18
MINIMUM DAILY, 0.003 ON SEP 10
MAXIMUM INSTANTANEOUS,
3.27 AT 00:00 EST ON MAR 18

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 04 08 N
LONG 084 26 07 W
DRAINAGE AREA, 11.5 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	304	JUL	338
FEB	257	AUG	71.1
MAR 1	440	SEP	73.6
APR 2	090	OCT	843
MAY 1	430	NOV 1	020
JUN	636	DEC	686

TOTAL DISCHARGE, 9 190 dam³

NORBERG CREEK (SITE B) AT OUTLET OF TURKEY LAKE - STATION NO. 02BF006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.081	0.088	0.062	0.192	0.730	0.132	0.156	0.049	0.002	0.025	0.212A	0.496
2	0.077	0.087	0.062	0.198	0.568	0.123	0.145	0.039	0.001	0.031	0.192E	0.452
3	0.075	0.081	0.062	0.198	0.452	0.147	0.132	0.035	0.001	0.032	0.179A	0.404
4	0.072	0.076	0.059	0.202	0.368	0.140	0.122	0.034	0.001	0.052	0.171	0.365
5	0.070	0.072	0.056	0.205	0.314	0.131	0.112	0.030	0.002	0.052	0.158	0.318
6	0.071	0.071	0.051	0.212	0.277	0.139	0.105	0.023	0.002	0.050	0.148	0.285
7	0.074	0.067	0.048	0.224	0.249	0.133	0.097	0.017	0.001	0.046	0.139	0.264
8	0.071	0.065	0.044	0.227	0.289	0.126	0.114	0.015	0.001	0.043	0.133	0.250
9	0.070	0.069	0.042	0.231	0.309	0.124	0.136	0.016	0.001	0.041	0.129	0.228
10	0.067	0.078	0.045	0.230	0.445	0.114	0.130	0.026	0	0.040	0.150	0.211
11	0.087	0.079	0.047	0.222	0.552	0.109	0.120	0.021	0	0.046	0.154	0.196
12	0.094	0.078	0.059	0.222	0.600	0.107	0.107	0.020	0.008	0.043	0.154	0.187
13	0.088	0.080	0.071	0.218	0.570	0.157	0.099	0.019	0.014	0.042	0.143	0.190
14	0.086	0.077	0.100	0.218	0.506	0.163	0.093	0.015	0.025	0.054	0.133	0.177
15	0.082	0.073	0.183	0.238	0.451	0.154	0.089	0.013	0.023	0.074	0.124	0.163
16	0.080	0.074	0.555	0.262	0.419	0.149	0.088	0.012	0.018	0.076	0.133	0.151
17	0.079	0.075	1.17	0.288	0.462	0.183	0.092	0.009	0.012	0.111	0.140	0.147
18	0.080	0.072	1.29	0.279	0.511	0.205	0.091	0.011	0.009	0.263	0.139	0.162
19	0.079	0.075	1.09	0.268	0.515	0.204	0.088	0.007	0.011	0.386	0.139	0.153
20	0.076	0.077	0.872	0.280	0.499	0.202	0.087	0.005	0.011	0.479	0.142	0.139
21	0.073	0.074	0.691	0.327	0.477	0.200	0.080	0.005	0.022	0.678	0.350E	0.130
22	0.073	0.074	0.568	0.447	0.428	0.192	0.072	0.003	0.043	0.817	0.802E	0.139
23	0.076	0.071	0.473	0.784	0.379	0.189	0.065	0.003	0.042	0.801	0.780E	0.144
24	0.077	0.070	0.401	1.27	0.330	0.173	0.058	0.004	0.040	0.692	0.850E	0.144
25	0.080	0.065	0.345	1.71	0.290	0.154	0.051	0.005	0.035	0.573	0.710E	0.153
26	0.085	0.060	0.300	2.00	0.261	0.147	0.046	0.006	0.031	0.465	0.634A	0.163
27	0.084	0.066	0.274	1.90	0.233	0.139	0.039	0.006	0.029	0.387	0.572	0.161
28	0.092	0.064	0.240	1.56	0.204	0.128	0.034	0.006	0.023	0.343	0.563	0.155
29	0.089		0.218	1.19	0.181	0.161	0.041	0.005	0.021	0.294	0.560	0.164
30	0.088		0.206	0.930	0.162	0.163	0.059	0.004	0.018	0.257	0.530	0.163
31	0.089		0.197		0.144		0.054	0.003		0.229		0.162E
TOTAL	2.465	2.058	9.882	16.732	12.175	4.588	2.802	0.466	0.447	7.522	9.373	6.616
MEAN	0.080	0.074	0.319	0.558	0.393	0.153	0.090	0.015	0.015	0.243	0.312	0.213
MAX	0.094	0.088	1.29	2.00	0.730	0.205	0.156	0.049	0.043	0.817	0.850	0.496
MIN	0.067	0.060	0.042	0.192	0.144	0.107	0.034	0.003	0	0.025	0.124	0.130

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.206
MAXIMUM DAILY, 2.00 ON APR 26
MINIMUM DAILY, 0 ON SEP 10
MAXIMUM INSTANTANEOUS,
2.04 AT 21:08 EST ON APR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 03 04 N
LONG 084 24 48 W
DRAINAGE AREA, 8.64 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	213	JUL	242
FEB	178	AUG	40.3
MAR	854	SEP	38.6
APR	1 450	OCT	650
MAY	1 050	NOV	810
JUN	396	DEC	572

TOTAL DISCHARGE, 6 490 dam³

NORBERG CREEK (SITE C) AT OUTLET OF LITTLE TURKEY LAKE - STATION NO. 02BF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.035B	0.040B	0.033B	0.108	0.382	0.057	0.091	0.023	0.002E	0.019E	0.127	0.300E
2	0.034B	0.040B	0.033B	0.129	0.284	0.053	0.082	0.021	0.001E	0.024A	0.115A	0.260E
3	0.033B	0.039B	0.033B	0.138	0.217	0.092	0.071	0.020	0.002E	0.025E	0.106E	0.253A
4	0.032B	0.034B	0.026B	0.155	0.183	0.081	0.067	0.016	0.002A	0.029E	0.097E	0.220A
5	0.031B	0.031B	0.020B	0.166	0.156	0.074	0.067	0.018	0.002E	0.034E	0.088A	0.185E
6	0.032B	0.028B	0.017B	0.175	0.130	0.086	0.064	0.017	0.002E	0.040E	0.080	0.164E
7	0.033B	0.026B	0.014B	0.178	0.120	0.079	0.057	0.013A	0.001E	0.037E	0.078	0.150E
8	0.031B	0.027B	0.013B	0.171	0.157	0.076	0.089	0.014E	0 E	0.035E	0.074	0.136E
9	0.031B	0.030B	0.012B	0.164	0.180	0.077	0.100	0.017E	0 E	0.028A	0.071E	0.124E
10	0.030B	0.036B	0.013B	0.161	0.323	0.071	0.087	0.021E	0.001A	0.027	0.074E	0.113E
11	0.038B	0.037B	0.013B	0.156	0.568	0.060	0.076	0.018E	0.001	0.032	0.075E	0.102A
12	0.047B	0.037B	0.013B	0.151	0.509	0.064	0.068	0.017E	0.008	0.031	0.074E	0.100A
13	0.046B	0.037B	0.056B	0.144	0.385	0.114	0.061	0.017A	0.014	0.028	0.072A	0.096E
14	0.030B	0.036B	0.127	0.145	0.298	0.116	0.063	0.015	0.021	0.038	0.066A	0.085E
15	0.039B	0.034B	0.251	0.173	0.245	0.118	0.063	0.013	0.020E	0.070	0.056E	0.078E
16	0.035B	0.035B	1.01	0.193	0.222	0.120	0.065	0.012	0.015E	0.070	0.075E	0.070E
17	0.036B	0.036B	1.25	0.204	0.253	0.145	0.071	0.011	0.010A	0.116	0.094E	0.064E
18	0.036B	0.035B	0.915	0.195	0.340	0.164	0.062	0.010	0.009A	0.281	0.100E	0.065B
19	0.035B	0.035B	0.640	0.184	0.403	0.169	0.054	0.006	0.011E	0.523A	0.102E	0.066B
20	0.034B	0.036B	0.466	0.187	0.368	0.167	0.044	0.004	0.011E	0.640E	0.102A	0.051B
21	0.032B	0.036B	0.353	0.235	0.302	0.168	0.042	0.004	0.018E	0.680E	0.162	0.050B
22	0.034B	0.035B	0.281	0.408	0.243	0.152	0.037	0.003	0.032E	0.718A	0.603	0.052B
23	0.035B	0.035B	0.235	0.806	0.203	0.136	0.032	0.004	0.030E	0.615	0.826A	0.054B
24	0.036B	0.035B	0.201	1.17	0.176	0.108	0.027	0.001	0.028E	0.463	0.600E	0.054B
25	0.038B	0.034B	0.181	1.36	0.150	0.089	0.025	0.004	0.026A	0.350	0.470E	0.056B
26	0.039B	0.034B	0.165	1.42	0.124	0.085	0.023	0.007	0.025E	0.280	0.387A	0.058B
27	0.038B	0.034B	0.147	1.22	0.107	0.072	0.021	0.006	0.022E	0.233	0.313	0.060B
28	0.040B	0.033B	0.128	0.930	0.093	0.063	0.018	0.006	0.022E	0.204	0.347	0.060B
29	0.045B		0.122	0.684	0.076	0.100	0.025	0.004	0.019E	0.187A	0.425A	0.058B
30	0.043B		0.113	0.518	0.071	0.101	0.041	0.003A	0.017E	0.152A	0.360E	0.061B
31	0.041B		0.109		0.064		0.030	0.003E		0.141		0.060B
TOTAL	1.119	0.965	6.990	12.028	7.332	3.057	1.723	0.350	0.372	6.150	6.239	3.305
MEAN	0.036	0.035	0.226	0.401	0.237	0.102	0.056	0.011	0.012	0.198	0.208	0.107
MAX	0.047	0.040	1.25	1.42	0.568	0.169	0.100	0.023	0.032	0.718	0.826	0.300
MIN	0.030	0.026	0.012	0.108	0.064	0.053	0.018	0.003	0	0.019	0.056	0.050

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.136
MAXIMUM DAILY, 1.42 ON APR 26
MINIMUM DAILY, 0E ON SEP 08
MAXIMUM INSTANTANEOUS,
1.49 AT 03:00 EST ON APR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 02 41 N
LONG 084 24 44 W
DRAINAGE AREA, 5.4 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	96.7	JUL	149
FEB	83.4	AUG	30.2
MAR	604	SEP	32.1
APR	1 040	OCT	531
MAY	633	NOV	539
JUN	264	DEC	286

TOTAL DISCHARGE, 4 290 dam³

NORBERG CREEK (SITE D) BELOW WISHART LAKE - STATION NO. 02BF008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.024E	0.022B	0.018B	0.059	0.179	0.035	0.044	0.018	0.002	0.010	0.055	0.159	1
2	0.020E	0.021B	0.018B	0.076	0.127	0.035	0.044	0.017	0.002	0.011	0.052	0.118	2
3	0.019E	0.020B	0.018B	0.086	0.091	0.037	0.045	0.016	0.002	0.012	0.048	0.090	3
4	0.019E	0.019B	0.018B	0.096	0.079	0.040	0.044	0.015	0.002	0.018	0.043	0.080	4
5	0.020E	0.019B	0.017B	0.106	0.071	0.038	0.045	0.014	0.002	0.018	0.039	0.073	5
6	0.020E	0.018B	0.017B	0.110	0.065	0.041	0.043	0.012	0.002	0.018	0.038	0.067	6
7	0.022E	0.018B	0.016B	0.106	0.058	0.038	0.043	0.011	0.001	0.018	0.035	0.063	7
8	0.022E	0.018B	0.015B	0.094	0.078	0.038	0.042	0.011	0.001	0.018	0.034	0.060	8
9	0.022E	0.019B	0.015B	0.086	0.123	0.038	0.043	0.010	0.001	0.017	0.032	0.055	9
10	0.022E	0.020B	0.016B	0.084	0.487	0.036	0.043	0.011	0.001	0.016	0.032	0.051	10
11	0.021E	0.021B	0.017B	0.082	0.439	0.033	0.045	0.010	0.001	0.016	0.032	0.047	11
12	0.023E	0.022B	0.018B	0.078	0.267	0.032	0.043	0.009	0.004	0.018	0.032	0.045	12
13	0.022B	0.022B	0.028	0.076	0.179	0.056	0.044	0.009	0.005	0.019	0.031	0.045	13
14	0.021B	0.021B	0.064	0.079	0.133	0.080	0.041	0.009	0.007	0.022	0.030	0.043	14
15	0.020B	0.020B	0.730B	0.110	0.109	0.077	0.041	0.008	0.007	0.029	0.029	0.041	15
16	0.020B	0.020B	1.13 B	0.133	0.104	0.067	0.038	0.008	0.006	0.034	0.033	0.040	16
17	0.021B	0.020B	0.787	0.130	0.194	0.074	0.038	0.007	0.004	0.052	0.043	0.037	17
18	0.021B	0.020B	0.447	0.107	0.348	0.094	0.035	0.006	0.004	0.466	0.049	0.037	18
19	0.021B	0.020B	0.317	0.101	0.307	0.114	0.033	0.005	0.004	0.462	0.051	0.034B	19
20	0.021B	0.021B	0.245	0.105	0.212	0.099	0.032	0.004	0.003	0.268	0.051	0.037B	20
21	0.020B	0.020B	0.183	0.233	0.157	0.084	0.030	0.004	0.008	0.430	0.168	0.032B	21
22	0.019B	0.020B	0.144	0.488	0.110	0.074	0.027	0.003	0.014	0.479	0.828	0.033B	22
23	0.019B	0.020B	0.116	0.770	0.090	0.058	0.023	0.003	0.014	0.281	0.427	0.034B	23
24	0.018B	0.019B	0.093B	0.914	0.079	0.050	0.021	0.003	0.014	0.190	0.292	0.035B	24
25	0.019B	0.018B	0.084	1.01	0.068	0.045	0.020	0.003	0.013	0.149	0.205	0.035B	25
26	0.020B	0.018B	0.079	0.967	0.061	0.038	0.019	0.004	0.011	0.109	0.156	0.036B	26
27	0.021B	0.019B	0.069B	0.712	0.054	0.036	0.017	0.004	0.010	0.088	0.139	0.035B	27
28	0.022B	0.019B	0.063B	0.481	0.052	0.036	0.015	0.004	0.010	0.079	0.244	0.033B	28
29	0.024B		0.057	0.347	0.048	0.039	0.017	0.003	0.010	0.071	0.293	0.035B	29
30	0.023B		0.055	0.250	0.041	0.043	0.020	0.002	0.009	0.064	0.211	0.036B	30
31	0.023B		0.055		0.038		0.019	0.002		0.060		0.035B	31
TOTAL	0.649	0.554	4.949	8.076	4.448	1.605	1.054	0.245	0.174	3.542	3.752	1.601	TOTAL
MEAN	0.021	0.020	0.160	0.269	0.144	0.054	0.034	0.008	0.006	0.114	0.125	0.052	MEAN
MAX	0.024	0.022	1.13	1.01	0.487	0.114	0.045	0.018	0.014	0.479	0.828	0.159	MAX
MIN	0.018	0.018	0.015	0.059	0.038	0.032	0.015	0.002	0.001	0.010	0.029	0.032	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.084
MAXIMUM DAILY, 1.13B ON MAR 16
MINIMUM DAILY, 0.001 ON SEP 07
MAXIMUM INSTANTANEOUS,
1.20 AT 20:45 EST ON APR 25

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 02 48 N
LONG 084 24 14 W
DRAINAGE AREA, 4.08 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	56.1	JUL	91.1
FEB	47.9	AUG	21.2
MAR	428	SEP	15.0
APR	698	OCT	306
MAY	384	NOV	324
JUN	139	DEC	138

TOTAL DISCHARGE, 2 650 dam³

NORBERG CREEK (SITE E) BELOW BATCHAWANA LAKE - STATION NO. 02BF009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.009	0.014B	0.012B	0.053	0.061	0.006	0.038	0.006	0	0.008	0.023	0.060	1
2	0.009	0.013B	0.011	0.082	0.034	0.006	0.023	0.004	0	0.011	0.022	0.051	2
3	0.009	0.012B	0.011	0.064B	0.036	0.043	0.021	0.002	0	0.016	0.020	0.042	3
4	0.010	0.011B	0.011	0.067	0.032	0.038	0.031	0.001	0	0.047	0.019	0.036B	4
5	0.010	0.010B	0.011	0.077	0.022	0.021	0.025	0.001	0	0.027	0.018	0.032B	5
6	0.011	0.009B	0.010	0.059	0.018	0.028	0.016	0.001	0	0.019	0.018	0.028	6
7	0.011	0.011B	0.010	0.052	0.025	0.025	0.008	0	0	0.016	0.016	0.027	7
8	0.014	0.011B	0.009B	0.047	0.110	0.019	0.034	0.001	0	0.013	0.015	0.026	8
9	0.014	0.012B	0.009B	0.048	0.115	0.019	0.035	0.002	0	0.009	0.016	0.024	9
10	0.014	0.016B	0.010B	0.047	0.643	0.014	0.034	0.005	0	0.015	0.018	0.023	10
11	0.015	0.016B	0.011B	0.043	0.190	0.010	0.029	0.004	0	0.020	0.020	0.020	11
12	0.015	0.016B	0.020B	0.041	0.095	0.011	0.021	0.003	0.003	0.018	0.021	0.020	12
13	0.014	0.016B	0.047B	0.040	0.060	0.255	0.014	0.002	0.005	0.015	0.021	0.020	13
14	0.014	0.016B	0.137B	0.063	0.052	0.098	0.009	0.002	0.008	0.045	0.018	0.019	14
15	0.014B	0.016B	0.600B	0.096	0.052	0.038	0.007	0.001	0.005	0.070	0.024	0.018	15
16	0.012B	0.015B	0.550B	0.072	0.075	0.024	0.009	0.001	0.002	0.048	0.085	0.017	16
17	0.012B	0.012B	0.403B	0.056	0.265	0.084	0.017	0.001	0.001	0.222	0.089	0.017	17
18	0.011B	0.011B	0.222B	0.052	0.278	0.125	0.016	0.001	0.001	0.898	0.060	0.017	18
19	0.009B	0.011B	0.148B	0.053	0.147	0.099	0.014	0.001	0.002	0.195	0.052	0.016	19
20	0.008B	0.012B	0.106B	0.099	0.085	0.054	0.012	0	0.003	0.100	0.047	0.011B	20
21	0.008B	0.012B	0.068	0.262	0.053	0.039	0.009	0	0.015	0.517	0.486	0.012B	21
22	0.009B	0.011B	0.055	0.484	0.043	0.029	0.008	0	0.024	0.217	0.605	0.014B	22
23	0.009B	0.012B	0.049	0.647	0.034	0.028	0.006	0	0.013	0.106	0.179	0.015B	23
24	0.010B	0.011B	0.039	0.712	0.024	0.024	0.005	0	0.008	0.068	0.121	0.017B	24
25	0.010B	0.011B	0.035	0.764	0.022	0.014	0.004	0	0.006	0.052	0.083	0.019B	25
26	0.010B	0.011B	0.030	0.648	0.021	0.016	0.004	0.001	0.007	0.042	0.059	0.019B	26
27	0.012B	0.011B	0.027	0.467	0.018	0.036	0.003	0.001	0.007	0.035	0.103	0.018B	27
28	0.013B	0.014B	0.026	0.256	0.012	0.023	0.002	0	0.006	0.031	0.279	0.019B	28
29	0.013B		0.026	0.169	0.011	0.066	0.009	0	0.004	0.029	0.140	0.020B	29
30	0.014B		0.027	0.102	0.009	0.054	0.015	0	0.003	0.027	0.086	0.018B	30
31	0.015B		0.033		0.007		0.009	0		0.024		0.018B	31
TOTAL	0.358	0.353	2.763	5.722	2.649	1.346	0.487	0.041	0.123	2.960	2.763	0.713	TOTAL
MEAN	0.012	0.013	0.089	0.191	0.086	0.045	0.016	0.001	0.004	0.096	0.092	0.023	MEAN
MAX	0.015	0.016	0.600	0.764	0.643	0.255	0.038	0.006	0.024	0.898	0.605	0.060	MAX
MIN	0.008	0.009	0.009	0.040	0.007	0.006	0.002	0	0	0.008	0.015	0.011	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.056
MAXIMUM DAILY, 0.898 ON OCT 18
MINIMUM DAILY, 0 ON AUG 07
MAXIMUM INSTANTANEOUS,
1.43 AT 05:44 EST ON OCT 18

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 03 38 N
LONG 084 23 55 W
DRAINAGE AREA, 2.14 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	30.9	JUL	42.1
FEB	30.5	AUG	3.54
MAR	239	SEP	10.6
APR	494	OCT	256
MAY	229	NOV	239
JUN	116	DEC	61.6

TOTAL DISCHARGE, 1 750 dam³

NORBERG CREEK (SITE F) AT OUTLET OF BATCHAWANA LAKE - STATION NO. 02BF012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.006B	0.007B	0.007	0.014	0.022E	0.011E	0.014E	0.002E	0	0 E	0.013	0.028
2	0.006B	0.008B	0.007	0.021	0.016E	0.017E	0.009E	0.002E	0	0.001E	0.012	0.023
3	0.006B	0.008B	0.006	0.023	0.020E	0.022E	0.024E	0.001E	0	0 E	0.012	0.019
4	0.007B	0.008B	0.006	0.024	0.007E	0.015E	0.016E	0.001E	0	0.002E	0.011	0.018
5	0.007B	0.008B	0.006	0.025	0.005E	0.012E	0.008E	0.001E	0	0.002E	0.011	0.015
6	0.007B	0.008B	0.005	0.024	0.003E	0.010E	0.005E	0.001E	0	0.002E	0.010	0.014
7	0.008B	0.008B	0.005	0.021	0.017E	0.009E	0.004E	0 E	0	0.002E	0.009	0.013
8	0.008B	0.008	0.005	0.019	0.012E	0.006E	0.004E	0 E	0	0.002E	0.009	0.012
9	0.009B	0.008	0.005	0.018	0.098E	0.005E	0.014E	0.001E	0	0.001E	0.010	0.011
10	0.009B	0.008B	0.005	0.018	0.214E	0.008E	0.017E	0.001E	0 E	0.001E	0.012	0.010
11	0.009B	0.008B	0.005	0.017	0.026E	0.012E	0.016E	0.001E	0 E	0.002E	0.013	0.010
12	0.010B	0.008B	0.006	0.016	0.018E	0.019E	0.012E	0.001E	0 E	0.003E	0.013	0.009
13	0.011B	0.008B	0.010	0.016	0.019E	0.039E	0.009E	0.001E	0 E	0.004E	0.013	0.010
14	0.011B	0.008B	0.025B	0.017	0.028E	0.012E	0.008E	0.001	0.001E	0.006E	0.012	0.009
15	0.011B	0.008B	0.280B	0.029	0.030E	0.012E	0.008E	0.001	0.001E	0.015E	0.012	0.009
16	0.011B	0.008B	0.220B	0.032	0.049E	0.018E	0.010E	0.001	0.001E	0.019E	0.017	0.008
17	0.011B	0.008B	0.144	0.030	0.066E	0.036E	0.009E	0.001	0.001E	0.079E	0.026	0.008
18	0.011B	0.008B	0.080	0.024	0.029E	0.049E	0.008	0.001	0 E	0.418	0.026	0.009
19	0.008B	0.008B	0.042	0.022	0.016E	0.041E	0.007	0	0 E	0.075	0.022	0.008
20	0.006B	0.008B	0.034	0.029	0.011E	0.024E	0.007	0	0 E	0.038	0.019	0.008
21	0.004	0.007B	0.028	0.089	0.009E	0.018E	0.006	0	0 E	0.187	0.144	0.008
22	0.005	0.007B	0.024	0.163	0.022E	0.014E	0.005	0	0.002E	0.089	0.258	0.009
23	0.005	0.007B	0.020	0.212	0.010E	0.010E	0.004	0	0.002E	0.042	0.089	0.010
24	0.006	0.007	0.018	0.237	0.011E	0.007E	0.003	0	0.002E	0.033	0.049	0.010
25	0.006	0.007	0.017	0.274	0.011E	0.005E	0.003	0	0.002E	0.026	0.037	0.012
26	0.007B	0.007	0.015	0.246	0.009E	0.036E	0.002	0	0.001E	0.021	0.028	0.013
27	0.007B	0.007	0.015	0.200	0.007E	0.026E	0.002	0	0.001E	0.019	0.036	0.013
28	0.006B	0.007	0.013	0.135	0.005E	0.018E	0.001	0	0 E	0.017	0.107	0.013
29	0.007B		0.012	0.061E	0.003E	0.028E	0.002	0	0 E	0.016	0.058	0.013
30	0.007B		0.012	0.045E	0.005E	0.023E	0.003	0	0 E	0.015	0.036	0.012
31	0.007B		0.011		0.008E		0.003	0		0.014		0.012
TOTAL	0.239	0.215	1.088	2.101	0.806	0.562	0.243	0.018	0.014	1.151	1.124	0.376
MEAN	0.008	0.008	0.035	0.070	0.026	0.019	0.008	0.001	0.001	0.037	0.038	0.012
MAX	0.011	0.008	0.280	0.274	0.214	0.049	0.024	0.002	0.002	0.418	0.258	0.028
MIN	0.004	0.007	0.005	0.014	0.003	0.005	0.001	0	0	0	0.009	0.008

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.022
MAXIMUM DAILY, 0.418 ON OCT 18
MINIMUM DAILY, 0E ON AUG 07
MAXIMUM INSTANTANEOUS,
0.747 AT 07:10 EST ON OCT 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 03 47 N
LONG 084 23 36 W
DRAINAGE AREA, 1.15 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	20.6	JUL	21.0
FEB	18.6	AUG	1.56
MAR	94.0	SEP	1.21
APR	182	OCT	99.4
MAY	69.6	NOV	97.1
JUN	48.5	DEC	32.5

TOTAL DISCHARGE, 686 dam³

NORTH BRANCH MUSKOKA RIVER AT PORT SYDNEY - STATION NO. 02EB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10.0	22.8	13.6	55.2	55.1	15.8	8.29	5.17	4.56	10.3	19.6	94.1
2	9.84	21.9	16.2	52.7	51.6	16.9	8.24	5.15	4.57	17.7	19.1	91.0
3	9.76	21.0	16.0	56.2	46.0	17.9	8.09	5.18	4.56	24.6	18.5	87.0
4	10.2	20.6	14.1	59.5	40.1	18.2	8.06	5.28	4.52	25.8	17.9	83.6
5	10.7	20.0	13.1	62.2	35.4	17.8	7.87	5.70	4.59	24.9	16.9	78.4
6	10.8	19.3	12.4	63.2	35.0	17.1	7.14	5.54	4.68	22.4	19.3	66.3
7	10.7	18.6	11.9	64.8	34.7	16.0	6.50	5.21	4.74	20.4	21.1	48.7
8	10.7	18.1	11.5	66.6	34.3	15.2	6.51	4.88	4.66	18.9	22.2	40.7
9	10.9	17.6	11.7	68.4	26.9	14.8	6.47	4.92	4.65	18.7	22.8	41.8
10	13.6	17.6	11.9	69.1	21.1	14.3	6.42	4.85	4.64	18.5	22.6	32.4
11	14.8	17.2	11.9	69.1E	17.0	14.0	6.44	4.84	4.64	18.8	22.5	24.0
12	14.5	16.9	13.0	68.5E	14.9	13.6	6.41	4.79	4.54	29.5	22.6	24.6
13	13.9	17.8	19.9	68.0E	15.2	13.4	6.22	4.79	4.53	38.2	22.2	25.3
14	13.4	18.1	30.9	67.5E	15.5	13.2	6.18	4.70	4.63	34.8	21.5	25.7
15	12.9	17.2	40.7	67.5E	15.6	13.0	6.18	4.67	4.72	22.1	21.3	25.7
16	12.5	16.6	58.2	66.5E	14.6	12.9	6.12	4.61	4.65	14.2	21.6	25.9
17	12.8	16.2	65.3	65.0E	16.9	12.5	5.50	4.56	4.56	15.3	22.1	25.6
18	19.8	15.6	70.1	60.0E	23.4	12.4	5.28	4.56	4.52	17.5	22.3	25.5
19	23.9	15.3	71.9	43.0E	31.8	12.3	5.28	4.56	4.44	18.7	22.5	25.5
20	23.0	14.9	73.3	32.7A	32.4	11.9	5.52	4.44	4.53	19.7	22.5	24.9
21	22.4	15.0	74.7	36.4	47.8	9.81	5.64	4.39	4.48	20.6	22.7	24.5
22	22.0	15.4	76.5	39.7	59.1	8.99	5.61	4.37	4.59	21.7	25.1	24.5
23	21.7	15.4	81.3	44.5	59.1	9.05	5.76	4.40	4.66	22.2	28.1	25.3
24	24.0	14.9	80.7	57.7	58.2	9.94	5.67	4.46	4.68	22.5	30.6	25.7
25	26.4	14.5	79.1	67.6	57.3	7.79	5.53	4.43	7.37	22.6	32.8	25.9
26	26.5	13.9	76.5	70.8	55.7	7.02	5.44	4.50	9.54	22.2	40.1	26.3
27	26.0	13.7	72.9	74.0	53.3	7.45	5.43	4.66	10.8	21.7	54.0	25.9
28	25.4	13.8	69.3	78.6	51.0	7.83	5.45	4.63	11.3	21.6	75.8	25.4
29	24.9		65.6	79.9	48.1	7.99	5.29	4.62	10.9	20.8	94.1	25.8
30	24.3		62.3	68.2	38.1	8.14	5.32	4.56	10.7	20.5	96.4	27.3
31	23.5		58.6		18.4		5.36	4.57		20.1		33.0
TOTAL	535.80	479.9	1 385.1	1 843.1	1 122.6	376.17	193.22	147.93	170.95	667.2	920.6	1 206.3
MEAN	17.3	17.1	44.7	61.4	36.2	12.5	6.23	4.77	5.70	21.5	30.7	38.9
MAX	26.5	22.8	81.3	79.9	59.1	18.2	8.29	5.70	11.3	38.2	96.4	94.1
MIN	9.76	13.7	11.5	32.7	14.6	7.02	5.28	4.37	4.44	10.3	16.9	24.0

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 24.8
MAXIMUM DAILY, 96.4 ON NOV 30
MINIMUM DAILY, 4.37 ON AUG 22
MAXIMUM INSTANTANEOUS,
98.3 AT 17:49 EST ON NOV 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 12 45 N
LONG 079 16 30 W
DRAINAGE AREA, 1 390 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	46 300	JUL	16 700
FEB	41 500	AUG	12 800
MAR	120 000	SEP	14 800
APR	159 000	OCT	57 600
MAY	97 000	NOV	79 500
JUN	32 500	DEC	104 000

TOTAL DISCHARGE, 782 000 dam³

NORTH BRANCH SOUTH NATION RIVER NEAR HECKSTON - STATION NO. 02LB017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.101B	0.396B	0.510B	1.65	2.16	0.234	0.176	0.082	0.010	0.150	0.497	0.560	1
2	0.096B	0.375B	0.420B	1.94	1.74	0.228	0.149	0.079	0.010	0.094	0.434	0.480	2
3	0.091B	0.360B	0.365B	3.90	1.33	0.226	0.134	0.067	0.012	0.067	0.447	0.391B	3
4	0.170B	0.347B	0.315B	9.95	0.722	0.261	0.109	0.054	0.010	0.068	0.400	0.920B	4
5	0.505B	0.332B	0.282B	7.02	0.959	0.221	0.098	0.047	0.010	0.084	0.422	1.52 B	5
6	0.400B	0.322B	0.240B	4.82	1.49	0.202	0.099	0.049	0.009	0.085	0.796	1.31 B	6
7	0.321B	0.318B	0.228B	3.21	1.11	0.206	0.115	0.039	0.012	0.055	0.798	1.15 B	7
8	0.270B	0.340B	0.205B	2.47	0.892	0.194	0.093	0.046	0.028	0.043	0.684	1.09 B	8
9	0.220B	1.20 B	0.242B	2.24	1.27	0.169	0.081	0.040	0.021	0.065	0.606	1.01 B	9
10	0.199B	2.11 B	0.998B	3.04	1.38	0.216	0.062	0.037	0.018	0.160	1.06	1.25 B	10
11	0.194B	1.10 B	2.08 B	4.32	2.27	0.313	0.047	0.033	0.018	0.189	0.827	0.893B	11
12	0.190B	0.680B	3.23 B	4.00	1.77	0.225	0.043	0.031	0.015	0.319	0.627	0.680B	12
13	0.187B	0.900B	4.31 B	3.56	1.53	0.183	0.035	0.037	0.014	0.494	0.527B	0.750B	13
14	0.183B	1.81 B	3.97 B	3.91	1.29	0.171	0.031	0.078	0.018	0.608	0.422B	0.680B	14
15	0.181B	1.02 B	3.91 B	4.91	0.868	0.186	0.029	0.192	0.026	0.429	0.428B	0.598B	15
16	0.180B	0.700B	6.68 B	3.71	0.621	0.172	0.030	0.224	0.028	0.308	0.550	0.501B	16
17	0.268B	0.520B	9.69 B	3.22	1.18	0.159	0.028	0.113	0.023	0.252	0.621	0.431	17
18	2.35 B	0.430B	8.25 B	2.59	2.29	0.139	0.029	0.184	0.017	0.279	0.566	0.561B	18
19	1.21 B	0.400B	5.56	2.30	2.19	0.115	0.027	0.096	0.014	0.551	0.519	1.62 B	19
20	0.720B	0.385B	4.65	2.27	1.72	0.103	0.041	0.058	0.013	0.476	0.489	0.916B	20
21	0.540B	0.381B	3.69	3.99	2.59	0.121	0.060	0.046	0.020	0.510	0.500	0.571B	21
22	0.412B	0.461B	3.27	3.04	1.95	0.209	0.094	0.037	0.025	0.505	0.472	2.70 B	22
23	0.390B	4.18 B	3.65	2.45	1.46	0.178	0.229	0.029	0.025	0.369	0.583	10.1 B	23
24	0.374B	2.90 B	2.70 B	2.16	0.981	0.249	0.397	0.026	0.023	0.290	0.601	7.20 B	24
25	1.74 B	1.70 B	2.19 B	2.01	0.813	0.247	0.279	0.023	0.025	0.273	0.560	4.49 B	25
26	1.30 B	0.960B	1.93 B	2.43	0.720	0.583	0.212	0.024	0.029	0.671	0.526	3.69 B	26
27	0.900B	0.770B	1.66 B	2.24	0.607	0.306	0.171	0.024	0.020	0.423	0.493	3.45 B	27
28	0.690B	0.620B	1.51 B	1.87	0.499	0.171	0.129	0.021	0.019	0.268	0.546	3.13 B	28
29	0.540B		1.48 B	1.59	0.408	0.133	0.092	0.020	0.019	0.249	0.517	3.05 B	29
30	0.460B		1.48 B	1.70	0.340	0.159	0.074	0.017	0.074	0.224	0.474	10.8 B	30
31	0.415B		1.55 B		0.266		0.083	0.013		0.477		5.36 B	31
TOTAL	15.797	26.017	81.245	98.51	39.336	6.279	3.276	1.866	0.605	9.035	16.992	71.852	TOTAL
MEAN	0.510	0.929	2.62	3.28	1.27	0.209	0.106	0.060	0.020	0.292	0.566	2.32	MEAN
MAX	2.35	4.18	9.69	9.95	2.59	0.583	0.397	0.224	0.074	0.671	1.06	10.8	MAX
MIN	0.091	0.318	0.205	1.59	0.266	0.103	0.027	0.013	0.009	0.043	0.400	0.391	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.02
MAXIMUM DAILY, 10.8B ON DEC 30
MINIMUM DAILY, 0.009 ON SEP 06
MAXIMUM INSTANTANEOUS,
11.3 AT 12:54 EST ON APR 04

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 59 40 N
LONG 075 31 00 W
DRAINAGE AREA, 69.2 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 360	JUL	283
FEB	2 250	AUG	161
MAR	7 020	SEP	52.3
APR	8 510	OCT	781
MAY	3 400	NOV	1 470
JUN	543	DEC	6 210

TOTAL DISCHARGE, 32 000 dam³

NORTH CURRENT RIVER NEAR THUNDER BAY - STATION NO. 02AB014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.149B	0.122B	0.102B	0.337B	5.86	0.671	1.24	0.197	0.168E	0.377E	1.03	0.660B	1
2	0.148B	0.121B	0.102B	0.350B	4.48	0.929	0.992	0.172	0.170E	0.507E	1.02	0.610B	2
3	0.147B	0.121B	0.101B	0.363B	3.70	1.81	0.820	0.199	0.169E	1.13 E	1.01	0.570B	3
4	0.146B	0.120B	0.101B	0.378B	3.07	1.51	0.718	0.128	0.149E	1.54 E	0.937	0.530B	4
5	0.145B	0.119B	0.101B	0.394B	2.61	1.17	0.641	0.114	0.128E	1.01 E	0.878	0.500B	5
6	0.144B	0.118B	0.100B	0.412B	2.26	1.52	0.636	0.107	0.097E	0.741	0.833	0.485B	6
7	0.143B	0.117B	0.098B	0.435B	1.95	1.35	0.671	0.103	0.067E	0.623	0.803	0.465B	7
8	0.142B	0.116B	0.096B	0.455B	3.26	1.21	1.65	0.100	0.059E	0.515	0.795	0.450B	8
9	0.142B	0.115B	0.094B	0.480B	3.97	1.31	1.77	0.097	0.074E	0.451	0.739	0.440B	9
10	0.141B	0.115B	0.092B	0.510B	3.30	1.17	1.19	0.102	0.136E	0.409	0.763	0.430B	10
11	0.140B	0.115B	0.091B	0.540B	2.65	1.12	0.843	0.151	0.159E	0.350	0.673	0.420B	11
12	0.139B	0.114B	0.116B	0.580B	2.21	8.42	0.622	0.164	0.196E	0.431	0.666	0.410B	12
13	0.138B	0.113B	0.133B	0.620B	1.90	9.86	0.525	0.154	0.233E	0.500	0.603	0.405B	13
14	0.137B	0.113B	0.152B	0.680B	1.88	5.44	0.465	0.144E	0.420E	0.529	0.593	0.400B	14
15	0.136B	0.112B	0.172B	0.740B	2.17	3.65	0.396	0.128E	0.491E	0.583	0.598	0.396B	15
16	0.135B	0.111B	0.183B	0.830B	3.32	2.75	0.352	0.136E	0.572E	0.604	0.612	0.392B	16
17	0.135B	0.110B	0.199B	0.930B	7.16	3.87	0.325	0.326E	0.503E	0.763	0.596	0.387B	17
18	0.134B	0.110B	0.211B	1.12	5.35	5.56	0.456	0.392E	0.444E	1.36	0.567	0.382B	18
19	0.133B	0.109B	0.222B	1.66	3.97	3.87	0.412	0.393E	0.492E	1.06	0.550	0.377B	19
20	0.132B	0.108B	0.231B	2.67	3.26	3.05	0.350	0.386E	0.498E	0.990	0.532	0.372B	20
21	0.132B	0.108B	0.240B	3.70	2.84	2.75	0.326	0.376E	0.536E	1.70	1.40	0.368B	21
22	0.131B	0.107B	0.250B	4.29	2.42	2.31	0.371	0.319E	0.535E	1.93	1.94	0.365B	22
23	0.130B	0.106B	0.258B	5.26	1.91	1.91	0.362	0.286E	0.420E	1.80	1.64	0.360B	23
24	0.129B	0.106B	0.266B	5.12	1.72	1.54	0.343	0.281E	0.308E	1.74	1.72	0.357B	24
25	0.128B	0.105B	0.273B	5.25	1.53	1.25	0.318	0.351E	0.301E	1.58	1.40	0.354B	25
26	0.127B	0.104B	0.282B	5.73	1.41	1.50	0.288	0.368E	0.455E	1.42	1.17 B	0.351B	26
27	0.126B	0.104B	0.289B	5.32	1.35	1.38	0.268	0.270E	0.412E	1.39	0.990B	0.348B	27
28	0.125B	0.103B	0.297B	9.52	1.22	1.14	0.270	0.192E	0.420E	1.41	0.870B	0.345B	28
29	0.124B		0.308B	8.90	1.07	1.45	0.241	0.120E	0.502E	1.30	0.790B	0.342B	29
30	0.123B		0.314B	7.26	0.981	1.46	0.234	0.119E	0.426E	1.21	0.730B	0.339B	30
31	0.123B		0.326B		0.750		0.207	0.139E		1.10		0.336B	31
TOTAL	4.204	3.142	5.800	74.734	85.431	76.930	18.297	6.514	9.540	31.053	27.448	12.946	TOTAL
MEAN	0.136	0.112	0.187	2.49	2.76	2.56	0.590	0.210	0.318	1.00	0.915	0.418	MEAN
MAX	0.149	0.122	0.326	9.52	7.16	9.86	1.77	0.393	0.572	1.93	1.94	0.660	MAX
MIN	0.123	0.103	0.091	0.337	0.750	0.671	0.207	0.097	0.059	0.350	0.532	0.336	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.975
MAXIMUM DAILY, 9.86 ON JUN 13
MINIMUM DAILY, 0.059E ON SEP 08
MAXIMUM INSTANTANEOUS,
14.2 AT 18:44 EST ON JUN 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 30 04 N
LONG 089 10 47 W
DRAINAGE AREA, 111 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	363	JUL	1 580
FEB	271	AUG	563
MAR	501	SEP	824
APR	6 460	OCT	2 680
MAY	7 380	NOV	2 370
JUN	6 650	DEC	1 120

TOTAL DISCHARGE, 30 800 dam³

NORTH FRENCH RIVER NEAR THE MOUTH - STATION NO. 04MF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	19.2 B	9.70B	7.70B	37.3B	1 140	147	79.0	77.8	68.4	183	214	64.0B
2	18.8 B	9.60B	7.60B	37.3B	1 010	128	71.1	96.7	60.8	161	206	61.0B
3	18.1 B	9.50B	7.60B	37.8B	835	144	64.7	96.1	55.4	144	212	58.0B
4	17.8 B	9.40B	7.60B	38.0B	718	277	61.5	121	50.6	130	229	55.0B
5	17.3 B	9.30B	7.55B	38.5B	640	340	56.8	145	54.5	122	236	52.5B
6	16.9 B	9.20B	7.50B	39.0B	569	336	52.9	167	62.6	112	228	50.5B
7	16.3 B	9.20B	7.40B	38.5B	493	304	50.5	151	62.6	107	204	48.5B
8	16.0 B	9.10B	7.40B	38.0B	434	273	49.7	123	56.9	10	193 A	46.0B
9	15.5 B	9.00B	7.35B	37.2B	394	243	56.2	112	54.0	98.8	177 B	44.0B
10	15.2 B	8.90B	7.30B	36.7B	378	221	74.9	161	55.1	94.0	157 B	42.5B
11	14.8 B	8.80B	7.25B	36.0B	350	191	97.3	236	55.8	91.2	143 B	40.5B
12	14.5 B	8.70B	7.20B	35.2B	339	167	99.3	238	59.5	105	131 B	39.0B
13	14.1 B	8.60B	7.30B	34.7B	345	144	91.5	205	80.4	116	123 B	37.7B
14	13.8 B	8.55B	7.40B	34.3B	377	133	78.4	172	131	118	116 B	36.0B
15	13.5 B	8.50B	7.80B	33.8B	432	131	67.9	148	212	118	108 B	34.7B
16	13.1 B	8.40B	9.00B	33.3B	470	116	57.3	129	269	118	100 B	33.0B
17	12.9 B	8.35B	10.0 B	33.0B	487	102	51.0	115	258	119	94.0B	32.0B
18	12.7 B	8.30B	11.0 B	32.9B	529	107	46.9	106	230	120	88.0B	30.5B
19	12.3 B	8.20B	13.5 B	32.7B	617	123	42.5	97.1	199	126	83.0B	29.6B
20	12.1 B	8.15B	19.0 B	33.3B	624	129	37.5	87.0	187	134	78.0B	28.7B
21	11.7 B	8.10B	27.0 B	35.0B	555	129	35.7	75.7	188	158	74.5B	27.6B
22	11.6 B	8.00B	36.0 B	47.0B	495	121	34.6	65.3	204	212	71.0B	26.8B
23	11.3 B	8.00B	39.0 B	60.0B	438	117	33.7	57.6	284	278	71.5B	26.0B
24	11.1 B	7.90B	40.0 B	80.0B	392	116	32.6	50.3	379	292	76.0B	25.1B
25	10.9 B	7.85B	40.5 B	132 B	347	107	32.0	45.6	394	298	81.0B	24.1B
26	10.7 B	7.80B	40.5 B	300 B	310	100	31.7	43.2	354	284	78.0B	23.2B
27	10.5 B	7.80B	40.0 B	600 B	274	98.0	31.0	42.4	305	259	74.0B	22.7B
28	10.3 B	7.70B	39.0 B	840 B	238	96.3	28.6	46.6	264	245	71.0B	22.0B
29	10.2 B		38.0 B	1 000 B	214	93.9	27.6	62.6	235	241	69.0B	21.4B
30	10.1 B		37.0 B	1 090	191	87.9	34.9	76.5	210	231	67.0B	20.8B
31	9.97B		37.0 B		169		48.2	76.8		219		20.4B
TOTAL	423.27	240.60	588.45	4 901.6	14 803	4 822.1	1 657.5	3 426.3	5 079.6	5 137.0	3 853.0	1 123.8
MEAN	13.7	8.59	19.0	163	478	161	53.5	111	169	166	128	36.3
MAX	19.2	9.70	40.5	1 090	1 140	340	99.3	238	394	298	236	64.0
MIN	9.97	7.70	7.20	32.7	169	87.9	27.6	42.4	50.6	91.2	67.0	20.4

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 126
MAXIMUM DAILY, 1 140 ON MAY 01
MINIMUM DAILY, 7.20B ON MAR 12
MAXIMUM INSTANTANEOUS,
1 160 AT 10:00 EST ON MAY 01

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 05 00 N
LONG 080 46 00 W
DRAINAGE AREA, 6 680 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	36 600	JUL	143 000
FEB	20 800	AUG	296 000
MAR	50 800	SEP	439 000
APR	423 000	OCT	444 000
MAY	1 280 000	NOV	333 000
JUN	417 000	DEC	97 100

TOTAL DISCHARGE, 3 980 000 dam³

NORTH MAGNETAWAN RIVER ABOVE PICKEREL LAKE - STATION NO. 02EA010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.670B	1.80B	0.970B	3.07	4.70	1.70	1.27	0.441	0.215	1.47	1.83	10.5
2	0.685B	1.68B	0.935B	3.50	3.82	1.61	1.25	0.404	0.206	1.83	1.74	6.72
3	0.690B	1.60B	0.915B	4.85	3.21	1.68	1.08	0.370	0.199	1.93	1.66	4.71
4	0.700B	1.52B	0.900B	5.34	2.85	1.60	0.887	0.353	0.195	2.17	1.66	4.44
5	0.735B	1.47B	0.870B	4.88	2.59	1.45	0.816	0.389	0.197	3.42	1.98	3.92
6	0.760B	1.40B	0.850B	4.14	2.34	1.29	0.735	0.453	0.199	2.77	2.85	3.79
7	0.770B	1.35B	0.830B	3.42	2.18	1.20	0.667	0.457	0.211	2.33	3.01	3.29
8	0.765B	1.32B	0.810B	3.11	2.61	1.09	0.642	0.454	0.214	3.78	2.70	3.06
9	0.760B	1.30B	0.790B	3.14	3.55	1.15	1.10	0.444	0.217	5.09	2.37	2.85
10	0.750B	1.40B	0.765B	3.46	3.36	1.89	1.12	0.424	0.208	7.32	2.28	2.52
11	0.741B	1.47B	0.750B	3.93	3.94	1.91	0.827	0.386	0.204	7.69	2.19	2.03
12	0.735B	1.44B	0.810B	3.58	3.53	1.57	0.670	0.340	0.202	6.65	1.97	2.61
13	0.725B	1.40B	1.30 B	3.18	3.02	1.27	0.583	0.328	0.190	4.88	2.03	2.48
14	0.720B	1.36B	2.12 B	3.27	2.62	1.15	0.525	0.314	0.237	3.75	1.92	2.99
15	0.720B	1.32B	8.27 B	3.51	2.38	1.05	0.571	0.317	2.85	3.43	1.91	2.30
16	0.730B	1.28B	16.8 B	3.86	2.33	0.952	0.764	0.308	2.76	3.15	2.66	2.19
17	0.768B	1.24B	22.5 B	5.37	3.76	0.895	0.786	0.294	1.68	3.16	7.69	2.04
18	1.25 B	1.20B	25.0 B	5.53	11.3	1.13	0.740	0.291	1.17	5.34	7.56	2.07
19	2.45 B	1.17B	21.0 B	5.04	16.7	1.67	0.642	0.320	0.843	10.2	5.73	1.98
20	2.65 B	1.14B	16.7 B	8.11	13.7	1.36	0.656	0.334	0.703	8.91	3.95	1.72
21	2.80 B	1.12B	12.6 B	12.0	9.18	1.08	0.719	0.308	0.635	6.12	3.37	1.87
22	2.70 B	1.10B	10.0 B	14.8	6.32	1.05	0.688	0.281	0.710	4.92	5.51	1.98
23	2.38 B	1.11B	11.4 B	16.9	4.70	1.18	0.610	0.258	0.832	4.12	10.5	2.49B
24	2.22 B	1.08B	12.1 B	18.9	3.78	1.79	0.558	0.255	0.859	3.43	9.23	2.56B
25	2.10 B	1.05B	9.52 B	22.1	3.17	1.64	0.519	0.248	0.910	2.99	7.04	2.28B
26	2.27 B	1.04B	6.79 B	25.8	2.76	1.36	0.480	0.239	1.59	2.64	5.22	2.19B
27	2.48 B	1.03B	5.58 B	20.6	2.42	1.22	0.447	0.226	1.83	2.34	6.99	2.03B
28	2.48 B	1.01B	4.37 B	13.1	2.56	1.14	0.424	0.232	1.44	2.28	18.0	1.96B
29	2.32 B		3.63 B	8.62	2.49	1.03	0.383	0.250	1.30	2.16	26.4	2.07B
30	2.14 B		3.40	5.99	2.12	1.02	0.376	0.239	1.33	2.02	21.0	2.70B
31	1.95 B		3.10		1.85		0.445	0.232		1.90		2.65B
TOTAL	44.614	36.40	209.375	243.10	135.26	40.127	21.980	10.189	24.336	124.19	172.95	91.99
MEAN	1.44	1.30	6.75	8.10	4.36	1.34	0.709	0.329	0.811	4.01	5.77	2.97
MAX	2.80	1.80	25.5	25.8	16.7	1.91	1.27	0.457	2.85	10.2	26.4	10.5
MIN	0.670	1.01	0.750	3.07	1.85	0.895	0.376	0.226	0.190	1.47	1.66	1.72

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.16
MAXIMUM DAILY, 26.4 ON NOV 29
MINIMUM DAILY, 0.190 ON SEP 13
MAXIMUM INSTANTANEOUS,
27.9 AT 16:41 EST ON NOV 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 42 12 N
LONG 079 18 33 W
DRAINAGE AREA, 149 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 850	JUL	1 900
FEB	3 140	AUG	880
MAR	18 100	SEP	2 100
APR	21 000	OCT	10 700
MAY	11 700	NOV	14 900
JUN	3 470	DEC	7 950

TOTAL DISCHARGE, 99 700 dam³

NORTH MAGNETAWAN RIVER NEAR BURK'S FALLS - STATION NO. 02EA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.03	5.54	2.70	9.50	18.5	6.01	2.56	1.24	0.423	2.21	5.24	32.2	1
2	2.01	5.36	2.60	9.32	15.3	5.62	2.54	1.19	0.404	2.35	4.90	26.6	2
3	2.01	5.08	2.54	10.1	12.9	5.27	2.48	1.13	0.394	2.41	4.65	21.7	3
4	2.10	4.80	2.50	11.0	11.1	4.88	2.39	1.09	0.377	2.85	4.52	17.3	4
5	2.19	4.63	2.44	11.5	9.72	4.48	2.29	1.13	0.368	3.23	4.55	14.8	5
6	2.22	4.45	2.34	11.4	8.51	4.15	2.18	1.10	0.367	3.46	5.31	12.9	6
7	2.23	4.22	2.27	10.8	7.78	3.89	2.04	1.10	0.373	3.97	5.62	11.6	7
8	2.22	4.05	2.20	10.2	7.53	3.64	2.00	1.11	0.334	4.77	5.68	10.6	8
9	2.23	3.96	2.12	9.82	7.53	3.57	2.08	1.08	0.318	5.93	5.63	9.62	9
10	2.25	3.90	2.07	9.78	7.64	3.66	2.08	1.03	0.311	7.27	5.58	8.82	10
11	2.25	3.86	2.04	9.84	7.80	3.71	2.03	1.01	0.305	8.59	5.48	7.97	11
12	2.27	3.85	5.29	9.72	7.80	3.61	2.00	1.00	0.285	9.59	5.32	7.34	12
13	2.25	3.83	5.62	9.41	7.68	3.49	1.84	0.989	0.279	9.85	5.09	7.05	13
14	2.22	3.78	5.46	9.26	7.34	3.35	1.75	0.907	0.411	9.39	4.89	6.57	14
15	2.19	3.72	6.42	9.25	6.97	3.17	1.75	0.883	1.36	8.86	4.77	6.13	15
16	2.19	3.68	12.8	9.52	6.78	3.03	1.68	0.834	1.17	8.24	5.15	5.91	16
17	2.37	3.59	24.4	10.6	7.91	2.89	1.71	0.791	1.13	8.08	6.49	5.62	17
18	2.70	3.48	36.6	11.4	11.1	2.86	1.67	0.782	1.15	8.95	8.06	5.46	18
19	2.91	3.39	40.0	11.8	15.3	2.87	1.64	0.780	1.21	10.8	9.10	5.27	19
20	3.31	3.28	36.7	13.0	20.6	2.83	1.67	0.740	1.21	12.5	9.23	4.98	20
21	3.87	3.17	31.9	15.6	22.0	2.78	1.65	0.699	1.19	13.2	8.96	4.77	21
22	4.37	3.12	27.4	19.1	20.3	2.66	1.67	0.677	1.31	12.9	10.0	4.73	22
23	4.63	3.15	25.3	22.9	17.7	2.69	1.64	0.662	1.34	11.9	11.8	4.87	23
24	4.92	3.08	23.5	26.5	15.2	2.72	1.61	0.621	1.36	10.8	14.1	5.04	24
25	5.12	3.01	21.5	31.3	13.2	2.74	1.54	0.606	1.43	9.72	15.0	5.07	25
26	5.39	2.94	19.0	35.5	11.6	2.76	1.49	0.567	1.68	8.68	14.5	5.07	26
27	5.45	2.86	16.4	37.7	10.2	2.73	1.42	0.530	1.80	7.84	15.1	4.96	27
28	5.66	2.79	14.2	33.8	9.03	2.60	1.36	0.506	1.92	7.27	20.4	4.83	28
29	5.73		12.6	28.0	8.16	2.52	1.33	0.499	2.08	6.60	28.8	4.94	29
30	5.75		11.3	22.9	7.34	2.53	1.33	0.480	2.16	6.06	34.9	5.18	30
31	5.68		10.3		6.61		1.31	0.440		5.60		5.30	31
TOTAL	102.72	106.57	404.51	480.52	347.13	103.71	56.73	26.203	28.449	233.87	288.72	283.20	TOTAL
MEAN	3.31	3.81	13.0	16.0	11.2	3.46	1.83	0.845	0.948	7.54	9.62	9.14	MEAN
MAX	5.75	5.54	40.0	37.7	22.0	6.01	2.56	1.24	2.16	13.2	34.9	32.2	MAX
MIN	2.01	2.79	2.04	9.25	6.61	2.52	1.31	0.440	0.279	2.21	4.52	4.73	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.75
MAXIMUM DAILY, 40.0 ON MAR 19
MINIMUM DAILY, 0.279 ON SEP 13
MAXIMUM INSTANTANEOUS,
40.7 AT 03:44 EST ON MAR 19

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 40 10 N
LONG 079 22 43 W
DRAINAGE AREA, 321 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	8 880	JUL	4 900
FEB	9 210	AUG	2 260
MAR	34 900	SEP	2 460
APR	41 500	OCT	20 200
MAY	30 000	NOV	24 900
JUN	8 960	DEC	24 500

TOTAL DISCHARGE, 213 000 dam³

NORTH RIVER AT THE FALLS - STATION NO. 02ED024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.75B	2.55B	3.70B	4.09	2.18A	1.41	1.20	0.807	0.477	1.19	1.10	5.93	1
2	1.69B	2.60B	3.48B	4.67	2.08	1.48	1.01	0.697	0.472	0.955	1.09	5.96	2
3	1.66B	2.44B	3.47B	9.41	1.88	1.67	0.860	0.638	0.468	0.960	1.09	4.87	3
4	2.20B	2.36B	3.30B	11.5	1.78	1.58	0.820	0.584	0.468	0.909	1.10	3.96	4
5	2.50B	2.29B	3.10B	12.7	1.75	1.45	0.779	0.587	0.488	1.36	1.25	2.99	5
6	2.60B	2.21B	2.95B	10.8	1.65	1.31	0.751	0.609	0.527	1.20	4.29	3.80	6
7	2.40B	2.18B	2.88B	7.66	1.83	1.29	0.728	0.616	0.591	0.959	4.41	3.52	7
8	2.42B	2.14B	2.82B	5.47	3.11	1.14	0.729	0.611	0.564	0.902	3.78	3.58	8
9	2.32B	2.10B	3.00B	5.01	2.84	1.15	0.966	0.579	0.520	1.09	3.25	3.59	9
10	2.25B	5.70B	3.10B	7.25	2.95	1.92	0.841	0.546	0.528	2.26	2.97	3.97	10
11	2.20B	5.40B	3.20B	10.9	3.16	1.83	0.722	0.539	0.575	2.29	2.92	3.59	11
12	2.15B	4.75B	9.36B	9.84	2.77	1.41	0.691	0.529	0.532	1.96	2.55	3.37	12
13	2.10B	3.97	18.4 B	6.72	2.19	1.29	0.662	0.552	0.509	1.95	2.14	3.83	13
14	2.06B	3.86	29.7 B	5.45	2.10	1.47	0.662	0.690	0.504	1.89	2.09	3.28	14
15	2.01B	3.41	39.1 B	6.87	2.04	1.44	0.707	0.649	0.680	1.71	2.23	3.16	15
16	2.00B	3.14	37.3	6.50	2.10	1.30	0.747	0.572	0.762	1.60	2.64	2.94	16
17	2.20B	3.04	27.7	6.29	5.51	1.19	0.663	0.551	0.587	1.54	3.29	2.73	17
18	4.00B	2.80B	18.6	5.69	11.0	1.12	0.643	0.535	0.583	1.65	2.81	2.92	18
19	5.50B	2.65B	12.0	4.67	9.65	1.05	0.625	0.543	0.588	1.80	2.47	3.66	19
20	5.40B	2.52B	8.13	4.27	6.37	1.01	0.806	0.526	0.578	1.60	2.26	2.62B	20
21	4.70B	2.48B	6.36	5.18	6.38	1.03	0.803	0.497	0.567	1.39	2.14	2.79B	21
22	4.20B	3.00B	6.21	4.71	4.86	1.07	0.681	0.486	0.578	1.33	5.47	4.96	22
23	3.90B	4.60B	9.36	3.97	3.70	1.12	0.692	0.496	0.625	1.24	8.76	8.52	23
24	3.70B	5.55B	7.20	3.54	3.15E	1.19	0.681	0.494	0.866	1.20	7.18	5.63	24
25	3.60B	5.40B	5.24	3.20E	2.75E	1.05	0.651	0.497	0.633	1.22	5.97	3.28B	25
26	3.65B	4.90B	4.79	2.99E	2.35E	0.901	0.609	0.478	0.550	1.19	5.21	3.22B	26
27	3.30B	4.50B	4.14	2.80E	2.10E	0.817	0.622	0.480	0.569	1.17	7.29	3.25B	27
28	3.05B	4.20B	3.76	2.60E	1.90E	0.759	0.619	0.480	0.550	1.16	10.8	3.33B	28
29	2.85B		3.56	2.45E	1.76A	0.866	0.610	0.482	0.515	1.25	9.83	5.87	29
30	2.75B		3.41	2.30E	1.62	1.29	0.697	0.482	0.662	1.18	7.38	12.2	30
31	2.63B		3.59		1.52		0.995	0.478		1.14		12.3 B	31
TOTAL	89.84	97.94	291.93	179.50	101.23	37.603	23.275	17.307	17.116	43.315	119.76	138.82	TOTAL
MEAN	2.90	3.50	9.42	5.98	3.27	1.25	0.751	0.558	0.571	1.40	3.99	4.48	MEAN
MAX	5.50	5.70	39.1	12.7	11.0	1.92	1.20	0.807	0.866	5.29	10.8	12.3	MAX
MIN	1.66	2.14	2.82	2.30	1.52	0.759	0.609	0.478	0.468	0.902	1.09	2.62	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.17
MAXIMUM DAILY, 39.1B ON MAR 15
MINIMUM DAILY, 0.468 ON SEP 03
MAXIMUM INSTANTANEOUS,
43.8 AT 18:50 EST ON MAR 15

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 46 05 N
LONG 079 34 39 W
DRAINAGE AREA, 249 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	7 760	JUL	2 010
FEB	8 460	AUG	1 500
MAR	25 200	SEP	1 480
APR	15 500	OCT	3 740
MAY	8 750	NOV	10 300
JUN	3 250	DEC	12 000

TOTAL DISCHARGE, 100 000 dam³

NORTH RIVER NEAR COLDWATER - STATION NO. 02ED022

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.150	2.172	2.171	2.102	2.308	2.396	2.476	---	2.383	2.368	2.230	2.423	1
2	2.197	2.154	2.210	2.067	2.427	2.461	2.413	---	2.428	2.469	2.299	2.434	2
3	2.137	2.088	2.138	2.178	2.155	2.333	2.409	---	2.330	2.216	2.303	2.024	3
4	2.151	2.115	2.081	2.341	2.116	2.485	2.518	---	2.345	2.414	2.346	2.215	4
5	2.181	2.138	2.046	2.383	2.237	2.334	2.471	---	2.389	2.465	2.076	2.400	5
6	2.186	2.149	2.050	2.318	2.265	2.306	2.435	---	2.362	2.364	2.445	2.486	6
7	2.198	2.127	2.042	2.270	2.140	2.374	2.369	---	2.390	2.303	2.385	2.370	7
8	2.163	2.136	2.033	2.211	2.085	2.234	2.355	---	2.283	2.229	2.353	2.377	8
9	2.139	2.139	2.036	2.129	2.195	2.339	2.483A	---	2.311	2.191	2.270	2.379	9
10	2.152	2.330	2.076	2.183	2.121	2.417	2.507A	---	2.388	2.090	2.439	2.481	10
11	2.190	2.231	2.084	2.324	2.480	2.353	---	---	2.323	2.298	2.627	2.241	11
12	2.248	2.160	2.454	2.285	2.218	2.274	---	---	2.344	2.306	2.679	2.149	12
13	2.170	2.153	2.715	2.187	2.230	2.295	---	---	2.312	2.316	2.446	2.558	13
14	2.130	2.146	2.852	2.121	2.212	2.361	---	---	2.331	2.271	2.265	2.310	14
15	2.121	2.059	2.945	2.263	2.209	2.376	---	---	2.539	2.457	2.382	2.226	15
16	2.125	2.071	2.560	2.199	2.055	2.329	---	---	2.345	2.367	2.349	2.278	16
17	2.140	2.132	2.364	2.454	2.304	2.280	---	---	2.386	2.276	2.345	2.289	17
18	2.310	2.091	2.316	2.302	2.601	2.423	---	---	2.350	2.381	2.255	2.282	18
19	2.311	2.086	2.229	2.185	2.421	2.478	---	---	2.333	2.614	2.253	2.317	19
20	2.266	2.159	2.215	2.179	2.179	2.312	---	---	2.410	2.241	2.270	2.132	20
21	2.216	2.159	2.158	2.215	2.289	2.334	---	---	2.274	2.295	2.114	2.223	21
22	2.225	2.127	2.124	2.197	2.324	2.327	---	---	2.439	2.387	2.310	2.318	22
23	2.198	2.196	2.383	2.153	2.318	2.293	---	---	2.513	2.315	2.373	2.433	23
24	2.183	2.184	2.238	2.114	2.292	2.485	---	---	2.463	2.329	2.476	2.458	24
25	2.168	2.178	2.230	2.188	2.276	2.393	---	---	2.392	2.349	2.586	2.443	25
26	2.277	2.147	2.277	2.182	2.273	2.397	---	---	2.368	2.318	2.264	2.546	26
27	2.232	2.216	2.157	2.167	2.319	2.449	---	---	2.338	2.305	2.207	2.346	27
28	2.365	2.160	2.121	2.079	2.308	2.345	---	---	2.333	2.540	2.468	2.210	28
29	2.254		2.013	2.122	2.299	2.353	---	2.455A	2.269	2.309	2.585	2.341	29
30	2.211		2.054	2.120	2.381	2.412	---	2.391	2.346	2.297	2.407	2.454	30
31	2.201		2.130		2.365		---	2.377		2.243		2.376	31
MEAN	2.200	2.161	2.242	2.207	2.265	2.355	---	---	2.367	2.333	2.360	2.339	MEAN
MAX	2.365	2.330	2.945	2.454	2.601	2.485	---	---	2.539	2.614	2.679	2.558	MAX
MIN	2.121	2.059	2.013	2.067	2.055	2.234	---	---	2.269	2.090	2.076	2.024	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 2.945 ON MAR 15
MINIMUM DAILY, 2.013 ON MAR 29
MAXIMUM INSTANTANEOUS
3.327 AT 15:35 EST ON MAR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 44 22 N
LONG 079 38 12 W

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 174.057 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

NORTH RIVER NEAR LOVERING - STATION NO. 02ED023

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	2.316	---	---	---	---	---	---	---	---	2.401	2.214	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	2.196	12
13	---	2.567	---	---	---	---	---	---	---	---	---	---	13
14	---	2.499	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---		---	---		---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 44 46 06 N
LONG 079 37 12 W

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 174.057 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

NORTH SAUGEEN RIVER ABOVE CHESLEY - STATION NO. 02FC018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.84B	4.18	3.08B	6.45	4.03	2.64	2.24E	1.45E	1.17 E	1.66E	2.04E	7.20E	1
2	1.79B	3.93B	3.04B	7.19	3.69	2.86	1.96E	1.56E	1.15 E	1.65E	2.03E	5.95E	2
3	1.86B	3.78B	2.89B	7.82	3.38	2.91	2.14E	1.48E	1.14 E	1.59E	2.19E	5.30E	3
4	2.61B	3.65B	2.76B	7.95	3.28	2.81	2.07E	1.41E	1.13 E	1.78E	2.30E	5.25E	4
5	3.78B	3.54B	2.65B	7.63	3.42	2.70	1.96E	1.37E	1.19 E	2.04E	3.24E	5.20E	5
6	3.43B	3.44	2.50B	7.03	3.73	2.68	1.90E	1.36E	1.16 E	1.89E	4.85E	4.95E	6
7	3.06B	3.44	2.37B	6.33	3.35	2.54E	1.92E	1.35E	1.11 E	1.76E	5.55E	4.75E	7
8	3.05B	3.62	2.30B	5.73	3.30	2.43E	1.88E	1.34E	1.05 E	1.70E	6.45E	4.55E	8
9	2.84B	4.57	2.19B	5.35	3.27	2.36E	2.13E	1.31E	1.02 E	2.20E	5.30E	4.70E	9
10	2.70B	4.70B	2.75B	5.66	3.21	2.27E	2.16E	1.24E	1.01 E	2.62E	4.60E	5.40E	10
11	2.58B	4.55B	4.60B	6.14	3.26	2.20E	1.97E	1.19E	0.970E	3.19E	4.05E	4.85E	11
12	2.47B	4.39	15.5 B	6.22	3.24	2.15E	1.84E	1.14E	0.950E	2.97E	3.70E	4.45E	12
13	2.36B	4.20	17.8	5.96	3.28	2.19E	1.74E	1.39E	0.935E	2.80E	3.49E	4.80E	13
14	2.29B	3.86B	20.2	5.73	3.21	2.26E	1.66E	1.36E	0.955E	2.70E	3.61E	5.00E	14
15	2.22B	3.57B	20.2	5.88	3.37	2.16E	1.59E	1.31E	1.36 E	2.93E	3.94E	4.10E	15
16	2.17B	3.30B	18.1	5.84	3.49	2.04E	1.53E	1.25E	1.42 E	2.72E	4.75E	4.15E	16
17	2.99B	3.09B	15.8	6.50	4.50	1.98E	1.48E	1.18E	1.29 E	3.06E	5.20E	4.20E	17
18	5.80B	2.92B	13.4	6.36	5.19	1.89E	1.45E	1.14E	1.18 E	3.65E	5.05E	4.25E	18
19	5.57B	2.73B	11.2	6.22	5.65	1.84E	1.46E	1.16E	1.15 E	4.30E	4.30E	4.10E	19
20	4.95B	2.58B	9.45	5.97	7.04	1.79E	1.71E	1.14E	1.14 E	3.60E	3.74E	3.86	20
21	4.55B	2.56B	8.12	6.15	6.92	1.75E	1.76E	1.11E	1.14 E	3.11E	3.43E	3.65	21
22	4.30B	3.01B	7.83	6.05	6.45	1.73E	1.70E	1.08E	1.30 E	2.77E	5.10E	4.23	22
23	4.10B	4.24	8.87	5.89	5.37	2.10E	1.64E	1.07E	1.38 E	2.54E	5.65E	4.31	23
24	4.38	4.25B	8.96	5.47	4.50	2.04E	1.57E	1.14E	1.40 E	2.35E	6.10E	4.38E	24
25	4.69	3.93B	8.97	5.08	3.91	1.99E	1.53E	1.08E	1.34 E	2.26E	5.35E	3.84E	25
26	5.50	3.62B	8.48	4.66	3.64	1.96E	1.46E	1.04E	1.28 E	2.14E	4.70E	3.47B	26
27	5.29	3.33B	7.52	4.38	3.33	1.93E	1.41E	1.02E	1.41 E	2.11E	7.60E	3.30B	27
28	5.65	3.14B	6.86	4.27	3.07	1.90E	1.35E	1.37E	1.33 E	2.21E	10.4 E	3.09B	28
29	5.10B		6.40	4.28	2.91	2.21E	1.31E	1.34E	1.28 E	2.32E	10.9 E	7.35B	29
30	4.60		6.41	4.28	2.79	2.26E	1.38E	1.27E	1.49 E	2.23E	9.40E	10.2	30
31	4.31		6.45		2.70		1.34E	1.21E		2.12E		12.2	31
TOTAL	112.83	102.12	257.65	178.47	122.48	66.57	53.24	38.86	35.830	76.97	149.01	157.03	TOTAL
MEAN	3.64	3.65	8.31	5.95	3.95	2.22	1.72	1.25	1.19	2.48	4.97	5.07	MEAN
MAX	5.80	4.70	20.2	7.95	7.04	2.91	2.24	1.56	1.49	4.30	10.9	12.2	MAX
MIN	1.79	2.56	2.19	4.27	2.70	1.73	1.31	1.02	0.935	1.59	2.03	3.09	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.70
MAXIMUM DAILY, 20.2 ON MAR 14
MINIMUM DAILY, 0.935E ON SEP 13
MAXIMUM INSTANTANEOUS,
21.1 AT 01:47 EST ON MAR 15

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 19 05 N
LONG 081 02 26 W
DRAINAGE AREA, 216 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	9 750	JUL	4 600
FEB	8 820	AUG	3 360
MAR	22 300	SEP	3 100
APR	15 400	OCT	6 650
MAY	10 600	NOV	12 900
JUN	5 750	DEC	13 600

TOTAL DISCHARGE, 117 000 dam³

NORTH THAMES RIVER AT ST. MARYS - STATION NO. 02GD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.80B	12.2	9.30B	12.7	4.93	3.34	3.08	8.99	4.34	23.4	8.71	23.2	1
2	6.00B	21.8	9.10B	14.0	5.39	3.08	3.59	5.59	3.99	16.4	8.45	18.4	2
3	5.70B	15.5 B	15.0 B	22.0	4.03	3.29	3.10	4.46	3.74	11.3	8.37	16.6	3
4	7.80B	11.2 B	9.10B	22.4	3.87	3.91	2.12	4.38	3.63	13.8	7.85	26.7	4
5	26.0 B	9.40B	8.00B	17.5	4.90	3.94	1.89	4.22	3.62	21.1	33.5	27.1	5
6	23.7	8.77	6.90B	12.9	4.94	3.61	1.78	3.88	3.80	15.0	191	22.5	6
7	19.3	8.73	6.40B	9.20	4.47	4.60	1.70	3.61	4.18	10.2	97.1	19.1	7
8	14.3	12.9	6.20B	7.89	4.21	3.52	1.95	3.50	3.90	8.61	54.7	16.9	8
9	11.5	94.8	9.22	7.70	4.06	3.21	74.8	3.38	3.67	68.0	40.9	16.2	9
10	10.1	93.8	19.8	8.45	4.13	2.92	32.9	3.31	3.89	139	33.8	21.9	10
11	9.11	40.2	39.3	19.5	3.94	2.74	11.7	3.38	3.72	113	29.1	24.5	11
12	7.63	23.1	80.7	16.9	3.71	2.51	7.11	3.43	3.65	71.7	25.6	20.8	12
13	6.96	17.1	122	11.8	4.99	2.42	5.63	3.44	3.53	61.8	23.4	36.9	13
14	7.00B	20.4	93.4	10.1	4.80	2.41	4.63	4.82	3.53	38.5	19.2	28.8	14
15	6.84	12.0 B	60.0	15.3	4.32	2.59	5.25	4.12	28.0	26.3	21.9	18.8	15
16	6.58	10.6 B	44.4	17.8	5.85	2.33	4.61	3.84	18.6	20.4	22.9	15.2	16
17	16.7	9.50B	39.7	16.7	13.9	2.18	4.14	3.63	11.5	37.3	21.0	12.8	17
18	129	8.30B	28.3	15.3	20.1	2.24	3.76	3.45	7.85	70.1	17.8	24.1	18
19	101	7.30B	20.5	12.0	13.1	1.86	3.59	6.85	6.60	74.4	15.6	41.8	19
20	60.4	6.70B	16.6	11.4	15.6	1.83	5.92	7.19	5.99	42.6	13.7	27.5	20
21	36.2	7.00B	14.3	18.4	22.5	1.81	6.94	5.64	5.50	27.7	13.0	19.8	21
22	25.8	22.6	17.4	17.0	14.1	1.98	5.36	5.81	5.42	21.6	23.4	30.0	22
23	20.5	103	79.8	13.0	9.47	3.14	6.13	3.12	5.85	17.5	42.2	39.9	23
24	18.8	49.5	39.1	10.0	7.26	4.51	5.28	3.81	7.33	14.8	35.3	25.2B	24
25	27.3	18.2 B	22.9	8.65	6.04	8.39	4.16	3.83	6.92	12.6	30.4	15.0B	25
26	48.0	14.0 B	16.9	7.34	5.36	5.58	3.47	3.65	6.18	11.3	25.3	14.0B	26
27	32.5	12.2 B	12.7	6.48	4.87	4.32	2.98	3.65	5.56	10.5	25.0	12.7B	27
28	53.0	10.2 B	10.7	5.88	4.32	3.57	2.67	14.6	5.14	10.4	52.1	12.0B	28
29	34.9		9.71	5.67	3.94	3.31	2.45	10.2	4.92	10.1	49.6	80.0B	29
30	21.7		9.42	5.40	3.68	3.14	2.85	6.17	14.5	9.68	30.9	262	30
31	14.7		11.7		3.40		17.0	4.98		9.26		113	31
TOTAL	814.82	681.00	888.55	379.36	220.18	101.28	243.54	156.94	201.05	1 038.35	1 021.78	1 083.4	TOTAL
MEAN	26.3	24.3	28.7	12.6	7.10	3.38	7.86	5.06	6.70	33.5	34.1	34.9	MEAN
MAX	129	103	122	22.4	22.5	8.39	74.8	14.6	28.0	139	191	262	MAX
MIN	3.80	6.70	6.20	5.40	3.40	1.81	1.70	3.12	3.53	8.61	7.85	12.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.7
MAXIMUM DAILY, 262 ON DEC 30
MINIMUM DAILY, 1.70 ON JUL 07
MAXIMUM INSTANTANEOUS,
308 AT 06:17 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 15 18 N
LONG 081 08 43 W
DRAINAGE AREA, 1 080 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	70 400	JUL	21 000
FEB	58 800	AUG	13 600
MAR	76 800	SEP	17 400
APR	32 800	OCT	89 700
MAY	19 000	NOV	88 300
JUN	8 750	DEC	93 600

TOTAL DISCHARGE, 590 000 dam³

NORTH THAMES RIVER BELOW FANSHAWE DAM - STATION NO. 02GD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.62	26.2	20.5	15.8	4.94	3.71	3.44	17.8	6.62	22.2	9.94	39.0	1
2	2.66	23.6	17.4	17.0	4.32	3.58	3.22	10.3	5.34	25.4	9.34	34.3	2
3	3.15	21.5	16.7	22.7	4.60	3.62	3.57	6.69	4.55	21.9	9.53	29.5	3
4	3.20	21.3	16.4	27.8	4.78	3.64	3.28	5.20	4.05	17.9	9.63	27.5	4
5	15.2	18.4	13.2	24.5	4.91	3.84	2.70	4.79	3.54	21.7	17.4	30.1	5
6	25.5	15.6	9.43	18.2	5.10	3.88	2.44	4.26	3.54	23.9	117	29.7	6
7	25.9	11.5	9.11	13.9	5.27	3.68	2.20	3.85	3.53	17.9	179	27.9	7
8	21.5	10.6	8.80	11.0	5.10	4.38	2.05	3.56	4.59	13.0	98.3	24.9	8
9	16.5	36.8	8.78	9.77	5.05	3.84	49.5	3.46	5.68	28.5	74.2	22.3	9
10	14.1	104	10.5	10.2	4.69	3.33	82.1	3.34	5.65	163	61.6	21.8	10
11	11.4	93.6	13.5	17.9	3.97	2.98	24.9	3.21	5.62	160	49.5	24.4	11
12	10.6	41.3	54.6	15.6	3.27	2.79	12.8	3.62	4.46	113	35.2	25.5	12
13	8.94	23.4	105	11.8	6.85	2.67	10.1	7.12	4.01	92.4	23.7	27.6	13
14	7.94	23.4	117	13.2	7.37	2.72	7.32	8.59	3.41	61.9	23.8	33.6	14
15	7.82	23.3	91.9	15.6	5.56	2.85	6.89	6.11	31.6	35.5	23.1	31.7	15
16	8.20	21.6	68.6	16.8	5.29	2.81	6.35	4.80	35.2	29.5	23.6	27.6	16
17	10.1	20.1	55.7	25.6	10.0	2.59	5.40	4.30	21.3	21.7	25.6	23.8	17
18	62.0 A	17.7	52.0	23.8	13.6	2.62	4.59	4.00	14.8	64.4	22.9	22.0	18
19	137 E	13.2	34.8	19.0	21.1	2.53	4.68	4.51	9.84	96.7	20.7	20.0	19
20	121 A	11.6	22.3	15.7	16.0	2.26	7.12	13.8	7.45	77.7	17.0	34.7	20
21	85.0	10.2	16.2	17.0	18.3	2.30	11.3	11.4	7.57	42.9	14.6	33.0	21
22	35.8	19.1	12.5	20.1	23.1	2.33	9.48	7.90	7.51	29.9	15.4	31.3	22
23	23.9	62.1	47.2	15.4	16.5	2.71	7.96	7.06	8.36	21.5	26.8	35.5	23
24	23.3	78.1	61.4	11.9	11.5	4.43	7.64	4.73	9.88	19.9	34.9	38.1	24
25	25.1	70.4	46.0	11.5	8.80	8.59	6.12	4.11	12.3	17.1	35.7	34.6	25
26	38.3	48.0	39.6	10.8	7.13	8.16	4.75	3.96	12.7	14.8	34.6	27.5	26
27	46.3	27.0	35.3	9.70	6.24	6.11	3.98	3.80	10.9	13.4	31.9	19.1	27
28	48.4	23.7	28.6	8.15	5.53	4.79	3.41	14.6	8.86	13.0	32.7	14.7	28
29	52.8		19.7	6.71	4.88	3.93	3.02	30.3	8.67	11.6	40.5	27.9	29
30	47.6		14.4	7.33	4.32	3.69	3.34	16.0	6.66	10.4	42.4	233	30
31	35.2		14.1		3.96		15.5	9.60		12.0		262	31
TOTAL	979.03	918.7	1 081.22	464.46	254.03	111.36	321.15	236.77	278.19	1 316.7	1 158.24	1 324.6	TOTAL
MEAN	31.6	32.8	34.9	15.5	8.19	3.71	10.4	7.64	9.27	42.5	38.6	42.7	MEAN
MAX	137	104	117	27.8	23.1	8.59	82.1	30.3	35.2	163	179	262	MAX
MIN	2.62	10.2	8.78	6.71	3.27	2.26	2.05	3.21	3.41	10.4	9.34	14.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 23.1
MAXIMUM DAILY, 262 ON DEC 31
MINIMUM DAILY, 2.05 ON JUL 08
MAXIMUM INSTANTANEOUS,
291 AT 20:50 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 02 20 N
LONG 081 11 05 W
DRAINAGE AREA, 1 450 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1953

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	84 600	JUL	27 700
FEB	79 400	AUG	20 500
MAR	93 400	SEP	24 000
APR	40 100	OCT	114 000
MAY	21 900	NOV	100 000
JUN	9 620	DEC	114 000

TOTAL DISCHARGE, 729 000 dam³

NORTH THAMES RIVER NEAR MITCHELL - STATION NO. 02GD014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.800B	4.44	2.35B	3.87	0.632	0.340	0.845	1.44	0.098	6.34	1.35	5.98	1
2	1.49 B	7.98	2.50B	4.29	0.545	0.346	0.574	0.732	0.085	3.78	1.17	4.30	2
3	1.40 B	4.80B	4.10B	8.31	0.460	0.467	0.419	0.417	0.061	2.61	1.01	3.68	3
4	1.75 B	3.45B	2.30	6.99	0.451	1.19	0.334	0.287	0.060	3.88	0.937	8.54	4
5	10.5 B	2.95B	1.78B	5.11	0.815	0.804	0.305	0.247	0.093	6.53	10.5	7.32	5
6	7.70 B	2.52	1.50B	2.57	0.683	0.595	0.245	0.200	0.127	3.90	68.3	5.91	6
7	5.85 B	2.45	1.38B	1.21	0.541	0.487	0.188	0.150	0.154	2.54	28.0	4.69	7
8	4.70 B	6.63	1.30B	1.55	0.480	0.432	0.656	0.117	0.244	1.84	15.8	4.01	8
9	3.75 B	38.6	2.00	1.68	0.421	0.422	16.0	0.101	0.508	26.1 E	11.4	3.72	9
10	3.15 B	28.6	6.67	2.03	0.438	0.346	7.04	0.089	0.387	60.9 E	8.97	6.08	10
11	2.70 B	12.9	13.5	5.19	0.445	0.300	2.69	0.075	0.275	46.7 E	7.24	6.53	11
12	2.45 B	7.09	31.3	4.19	0.376	0.251	1.39	0.062	0.205	22.9 E	5.58	5.45	12
13	2.35 B	5.35	43.3	2.86	0.442	0.229	0.789	0.151	0.155	16.8 E	4.62	14.1	13
14	2.28 B	6.51	30.8	2.67	0.405	0.269E	0.671	0.125	0.278	11.2 E	4.38	8.73	14
15	2.21 B	3.20B	19.6	5.36	0.359	0.279	0.637	0.109	1.27	7.86E	6.80	5.60	15
16	2.15 B	2.80B	14.4	5.96	0.486	0.229	0.533	0.104	2.87	5.71	6.49	4.16	16
17	8.60 B	2.43B	12.4	6.02	2.01	0.202	0.456	0.078	1.72	11.9	4.91	3.44	17
18	56.0 B	2.28B	7.79	5.38	4.81	0.221	0.358	0.096	0.985	22.0	3.73	6.74	18
19	34.9	2.10B	5.18	3.97	3.19	0.180	0.343	0.183	0.682	24.0	3.12	13.4	19
20	22.3	1.95B	3.83	3.63	3.91	0.139	0.633	0.216	0.529	12.8	2.62	7.93	20
21	14.0	2.10B	3.09	5.20	6.52	0.147	0.705	0.196	0.474	8.24	4.09	5.65	21
22	9.29	6.08	5.57	4.75	3.86	0.161	0.526	0.159	0.433	5.74	9.67	12.1	22
23	7.09	24.9	29.3	3.41	2.65	0.852	0.414	0.131	0.440	4.64	11.6	12.7	23
24	6.84	11.5	10.7	2.52	1.91	4.83	0.311	0.100	0.436	3.75	11.2	8.26B	24
25	10.5	5.30	5.56	1.97	1.42	3.03	0.242	0.090	0.505	3.01	9.22	4.05B	25
26	17.2	3.45B	3.90	1.58	1.17	1.70	0.176	0.080	0.465	2.46	7.08	3.20B	26
27	11.5	2.60B	2.81	1.30	0.968	1.11	0.130	0.075	0.395	2.12	12.1	3.10B	27
28	20.1	2.40B	2.30	1.36	0.769	0.781	0.110	0.237	0.348	2.02	23.9	3.00B	28
29	11.8		1.99	1.32	0.610	0.740	0.095	0.209	0.295	1.73	16.3	39.7	29
30	7.07		2.42	0.950	0.493	1.09	0.683	0.175	2.87	1.64	8.85	96.7	30
31	4.52		3.75		0.424		2.43	0.149		1.53		32.2	31
TOTAL	297.940	207.36	279.37	107.200	42.693	22.169	40.928	6.580	17.447	337.17	312.937	352.97	TOTAL
MEAN	9.61	7.41	9.01	3.57	1.38	0.739	1.32	0.212	0.582	10.9	10.4	11.4	MEAN
MAX	56.0	30.6	43.3	8.31	6.52	4.83	16.0	1.44	2.87	60.9	68.3	96.7	MAX
MIN	0.800	1.95	1.30	0.950	0.359	0.139	0.095	0.062	0.060	1.53	0.937	3.00	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.55
MAXIMUM DAILY, 96.7 ON DEC 30
MINIMUM DAILY, 0.060 ON SEP 04
MAXIMUM INSTANTANEOUS,
129 AT 01:50 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 27 00 N
LONG 081 12 20 W
DRAINAGE AREA, 319 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	25 700	JUL	3 540
FEB	17 900	AUG	569
MAR	24 100	SEP	1 510
APR	9 260	OCT	29 100
MAY	3 690	NOV	27 000
JUN	1 920	DEC	30 500

TOTAL DISCHARGE, 175 000 dam³

NORTH THAMES RIVER NEAR THORNDALE - STATION NO. 02GD015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.40B	17.0	12.0 B	17.3	6.58	3.69	3.36	15.8	6.63	35.2	12.2	30.4	1
2	7.95B	28.5	11.8 B	18.7	6.73	3.59	3.06	9.08	5.52	25.5	11.6	23.9	2
3	7.40B	19.7 B	19.4	28.6	5.59	3.31	4.51	6.22	4.76	16.7	11.3	20.9	3
4	13.6 B	14.7 B	15.8	30.7	5.04	4.08	2.44	5.66	4.40	18.2	10.5	36.0	4
5	25.0 B	13.8 B	12.2	23.4	6.44	4.56	2.16	5.23	4.24	28.8	35.8	38.5	5
6	41.5 B	12.8 B	9.68	17.9	6.73	3.99	2.00	4.78	4.41	21.0	214	30.3	6
7	25.6 B	12.2 B	8.89	13.7	5.99	4.08	1.89	4.24	5.70	14.6	125	25.2	7
8	18.9 B	16.2	8.41	11.5	5.34	4.54	1.84	3.91	5.22	12.2	75.1	22.2	8
9	15.2 B	106	12.6	10.9	4.93	3.44	94.5	3.67	4.49	64.6	57.5	21.0	9
10	13.4 B	116	24.7	11.5	4.79	3.12	65.2	3.48	4.45	163	48.2	28.3	10
11	12.2 B	59.4	46.9	25.9	4.83	2.97	21.3	3.52	4.48	140	40.7E	33.8	11
12	9.85B	34.9	87.8	23.7	4.55	2.73	11.5	4.01	4.14	97.9	34.2E	28.1	12
13	9.02B	24.5	130	16.6	5.72	2.61	8.40	7.21	4.02	88.2	30.5E	48.2	13
14	9.01B	28.4	107	14.0	6.76	2.53	6.52	8.10	5.81	58.6	25.1	43.2	14
15	8.81B	19.4	75.8	18.6	5.45	2.73	7.47	5.67	53.8	39.7	26.7	26.2	15
16	8.51B	16.0 B	58.4	22.8	5.93	2.44	6.50	4.84	34.8	28.7	28.4	21.6	16
17	23.9 B	14.0 B	53.1	21.0	13.7	2.35	5.39	4.44	19.6	41.0	26.3	18.3	17
18	150 B	11.4 B	38.5	19.6	27.4	2.38	4.70	4.10	12.8	82.0	22.4	30.3	18
19	130	10.7 B	27.7	16.1	19.2	2.11	5.39	9.55	10.5	97.0	19.8	58.2	19
20	85.0	9.90B	22.4	14.8	15.3	1.98	11.5	16.9	9.47	63.9	17.5	40.5	20
21	56.0	9.30B	19.0	24.4	25.8	2.09	12.6	10.2	8.18	41.6	16.1	27.7	21
22	37.5	31.8	20.0	23.6	21.3	2.14	8.92	8.27	7.83	30.6	27.3	38.7	22
23	26.3	128	85.2	18.1	14.5	2.86	9.06	7.39	8.53	24.4	55.0	54.7	23
24	25.8	73.1	56.8	14.2	11.1	8.33	8.15	4.04	16.9	20.5	48.0	41.2	24
25	39.4	36.0 B	31.5	12.0	9.05	11.6	5.91	4.75	13.9	17.3	41.2	22.9B	25
26	66.4	23.2 B	23.0	10.4	7.53	7.69	4.59	4.36	11.2	15.3	33.6	17.0B	26
27	48.9	19.2 B	17.4	9.19	6.58	5.58	3.77	4.07	9.33	14.2	30.6	15.1B	27
28	69.7	14.8 B	14.9	8.36	5.81	4.30	3.29	31.4	7.98	14.0	60.0	14.7B	28
29	52.0		13.6	7.78	5.07	3.86	2.99	25.0	7.15	14.1	65.2	85.1	29
30	32.6		13.2	7.29	4.56	3.46	5.34	12.5	17.9	13.7	43.0	302	30
31	21.4		15.8		4.01		28.3	8.50		13.1		143	31
TOTAL	1 096.25	920.90	1 093.48	512.62	282.31	115.14	362.55	250.89	318.14	1 355.6	1 292.8	1 387.2	TOTAL
MEAN	35.4	32.9	35.3	17.1	9.11	3.84	11.7	8.09	10.6	43.7	43.1	44.7	MEAN
MAX	150	128	130	30.7	27.4	11.6	94.5	31.4	53.8	163	214	302	MAX
MIN	5.40	9.30	8.41	7.29	4.01	1.98	1.84	3.48	4.02	12.2	10.5	14.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 24.6
MAXIMUM DAILY, 302 ON DEC 30
MINIMUM DAILY, 1.84 ON JUL 08
MAXIMUM INSTANTANEOUS,
344 AT 09:27 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 08 57 N
LONG 081 11 30 W
DRAINAGE AREA, 1 340 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	94 700	JUL	31 300
FEB	79 600	AUG	21 700
MAR	94 500	SEP	27 500
APR	44 300	OCT	117 000
MAY	24 400	NOV	112 000
JUN	9 950	DEC	120 000

TOTAL DISCHARGE, 777 000 dam³

NORTH WEST GANARASKA RIVER NEAR OSACA - STATION NO. 02HD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.230B	0.426	0.442	0.675	0.457	0.381	0.466	0.269	0.264	0.446	0.341	0.352	1
2	0.220B	0.496B	0.370B	0.856	0.430	0.389	0.373	0.258	0.273	0.356	0.338	0.353	2
3	0.300B	0.600B	0.360B	1.09	0.418	0.479	0.328	0.244	0.273	0.333	0.341	0.351	3
4	0.840B	0.540B	0.355B	1.39	0.419	0.433	0.328	0.248	0.259	0.331	0.332	1.11	4
5	1.52	0.500B	0.347B	1.20	0.558	0.388	0.303	0.284	0.297	0.506	0.393	0.628	5
6	0.601	0.480B	0.385B	0.716	0.505	0.387	0.291	0.293	0.338	0.349	0.649	0.487	6
7	0.452	0.455B	0.440B	0.608	0.477	0.381	0.300	0.278	0.308	0.321	0.448	0.438	7
8	0.430	0.600B	0.500B	0.565	0.522	0.391	0.308	0.276	0.277	0.313	0.396	0.422	8
9	0.417	2.04	0.465B	0.567	0.468	0.444	0.455	0.270	0.265	0.573	0.359	0.433	9
10	0.698	1.04	0.440B	1.30	0.608	0.408	0.321	0.271	0.300	0.566	0.386	0.486	10
11	0.634	0.574	2.56	1.33	0.557	0.376	0.295	0.263	0.312	0.602	0.374	0.406	11
12	0.440B	0.554B	20.1	0.755	0.453	0.351	0.286	0.276	0.284	0.486	0.375	0.385	12
13	0.425B	0.884	6.60	0.642	0.570	0.345	0.292	0.611	0.280	0.572	0.337	0.492	13
14	0.410B	1.14	2.99	0.675	0.503	0.359	0.298	0.448	0.288	0.420	0.323	0.467B	14
15	0.405B	0.393	1.81	0.941	0.415	0.362	0.613	0.330	0.373	0.368	0.347	0.387	15
16	0.400	0.661	1.33	0.727	0.603	0.345	0.436	0.355	0.309	0.354	0.372	0.377	16
17	9.07 B	0.559	0.900B	0.802	1.29	0.334	0.349	0.313	0.283	0.456	0.363	0.369	17
18	10.1	0.450B	0.887	0.652	0.995	0.362	0.321	0.275	0.272	0.585	0.329	0.599	18
19	1.03	0.400B	0.678	0.592	0.644	0.330	0.303	0.299	0.277	0.546	0.329	0.684	19
20	0.922	0.387B	0.615	0.703	1.02	0.331	0.406	0.300	0.289	0.401	0.327	0.496	20
21	0.551	0.500B	0.637	0.922	0.954	0.451	0.357	0.283	0.275	0.385	0.334	0.449	21
22	0.500B	0.980B	0.756	0.720	0.647	0.501	0.348	0.285	0.296	0.369	0.408	0.925	22
23	0.560B	3.00 B	1.16	0.664	0.556	0.497	0.882	0.303	0.302	0.358	0.466	2.01	23
24	0.676	1.09	0.632	0.604	0.530	0.420	0.417	0.293	0.285	0.348	0.398	0.816	24
25	1.08	0.654B	0.590	0.604	0.493	0.375	0.332	0.272	0.284	0.352	0.388	0.896B	25
26	1.61	0.600B	0.535	0.584	0.450	0.334	0.317	0.264	0.282	0.331	0.375	0.518	26
27	0.610	0.511	0.510B	0.549	0.442	0.412	0.306	0.269	0.285	0.336	0.398	0.547	27
28	0.711	0.443	0.482	0.519	0.448	0.357	0.295	0.263	0.286	0.405	0.426	0.580	28
29	0.520		0.476	0.487	0.397	0.436	0.291	0.355	0.336	0.375	0.382	1.73 B	29
30	0.458		0.580	0.477	0.404	0.478	0.281	0.317	0.540	0.346	0.355	2.17	30
31	0.423		0.715		0.395		0.266	0.278		0.350		0.945B	31
TOTAL	37.243	20.957	49.647	22.916	17.628	11.839	11.164	9.343	8.992	13.039	11.389	21.308	TOTAL
MEAN	1.20	0.749	1.60	0.764	0.569	0.395	0.360	0.301	0.300	0.421	0.380	0.687	MEAN
MAX	10.1	3.00	20.1	1.39	1.29	0.501	0.882	0.611	0.540	0.602	0.649	2.17	MAX
MIN	0.220	0.387	0.347	0.477	0.395	0.330	0.266	0.244	0.259	0.313	0.323	0.351	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.645
MAXIMUM DAILY, 20.1 ON MAR 12
MINIMUM DAILY, 0.220B ON JAN 02
MAXIMUM INSTANTANEOUS,
43.6 AT 07:44 EST ON MAR 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 01 04 N
LONG 078 26 23 W
DRAINAGE AREA, 42.7 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 220	JUL	965
FEB	1 810	AUG	807
MAR	4 290	SEP	777
APR	1 980	OCT	1 130
MAY	1 520	NOV	984
JUN	1 020	DEC	1 840

TOTAL DISCHARGE, 20 300 dam³

NORTHWEST TRIBUTARY TO LAKE 239 NEAR KENORA - STATION NO. 05PD022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0E	---	---	0 A	0.011	0.001	0.002	0	0	0	0	---	1
2	---	---	---	0 E	0.009	0.003	0.001	0	0	0	0	---	2
3	---	---	---	0 A	0.008	0.008	0.001	0	0	0	0	---	3
4	---	---	---	0 E	0.007	0.005	0.001	0	0	0	0	---	4
5	---	---	---	0 E	0.006	0.005	0.002	0	0	0	0	---	5
6	---	---	---	0 E	0.005	0.006	0.001	0	0	0	0	---	6
7	---	---	---	0 E	0.005	0.004	0.005	0	0	0	0	---	7
8	---	---	---	0 E	0.007	0.005	0.010	0	0	0	0	---	8
9	---	---	---	0 A	0.007	0.005	0.007	0	0	0	0	---	9
10	---	---	---	0 A	0.005	0.003	0.005	0	0	0	0	---	10
11	---	---	---	0 A	0.005	0.002	0.003	0	0	0	0	0A	11
12	---	0A	0A	0	0.004	0.004	0.002	0	0	0	0	---	12
13	---	---	---	0	0.004	0.003	0.001	0	0	0	0	---	13
14	---	---	---	0	0.005	0.002	0.001	0	0	0	0	---	14
15	---	---	---	0	0.004	0.002	0.001	0	0	0	0A	---	15
16	0A	---	---	0	0.004	0.002	0.001	0	0	0	---	---	16
17	---	---	---	0	0.004	0.015	0.001	0	0	0	---	---	17
18	---	---	---	0.001	0.004	0.038	0.001	0	0	0	---	---	18
19	---	---	---	0.001	0.003	0.022	0	0	0	0	---	---	19
20	---	---	---	0.002	0.003	0.030	0	0	0	0	---	---	20
21	---	---	---	0.003	0.002	0.047	0	0	0	0	---	---	21
22	---	---	---	0.004	0.002	0.061	0	0	0	0	---	---	22
23	---	---	0A	0.005	0.002	0.028	0	0	0	0	---	---	23
24	---	---	0A	0.005	0.002	0.016	0	0	0	0	---	---	24
25	---	---	---	0.006	0.001	0.010	0	0	0	0	---	---	25
26	---	---	---	0.006	0.001	0.009	0	0	0	0	---	---	26
27	---	---	0A	0.006	0.001	0.006	0	0	0	0	---	---	27
28	---	---	0A	0.007	0.001	0.005	0	0	0	0	---	---	28
29	---		0E	0.011	0.001	0.004	0	0	0	0	---	---	29
30	---		0A	0.011	0.001	0.003	0	0	0	0	---	---	30
31	---		0A		0.001		0	0		0		0E	31
TOTAL	---	---	---	0.068	0.125	0.354	0.046	0	0	0	---	---	TOTAL
MEAN	---	---	---	0.002	0.004	0.012	0.002	0	0	0	---	---	MEAN
MAX	---	---	---	0.011	0.011	0.061	0.010	0	0	0	---	---	MAX
MIN	---	---	---	0	0.001	0.001	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.003
MAXIMUM DAILY, 0.061 ON JUN 22
MINIMUM DAILY, 0A ON APR 01
MAXIMUM INSTANTANEOUS,
0.086 ON JUN 22

DATA CONTRIBUTED BY -
DEPARTMENT OF FISHERIES AND OCEANS (CANADA)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 57 N
LONG 093 43 40 W
DRAINAGE AREA, 0.56 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3.97
FEB	---	AUG	0
MAR	---	SEP	0
APR	5.88	OCT	0
MAY	10.8	NOV	---
JUN	30.6	DEC	---

TOTAL DISCHARGE, 51.2 dam³

NOTTAWASAGA RIVER AT HOCKLEY - STATION NO. 02ED026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.27B	1.91B	1.63 B	2.89	1.42	1.08	1.77	0.862	0.809	2.14	1.20	2.17	1
2	1.19B	2.25B	1.47 B	3.56	1.31	2.38	1.31	0.804	0.761	1.82	1.18	1.97	2
3	1.14B	2.19B	1.24 B	5.53	1.25	3.37	1.09	0.738	0.741	1.46	1.18	1.66B	3
4	1.71B	2.05B	1.05 B	4.32	1.24	2.64	0.964	0.713	0.732	1.46	1.21	2.46B	4
5	2.28B	1.96B	0.916B	3.36	2.42	1.89	0.895	0.747	0.742	2.04	2.02	2.29B	5
6	2.07B	1.90B	0.870B	2.75	2.33	1.58	0.823	0.745	0.753	1.81	6.52	2.15B	6
7	1.88B	1.84B	0.805B	2.32	1.87	1.38	0.783	0.739	0.750	1.48	5.56	2.07B	7
8	1.80B	1.78	0.770B	2.01	1.66	1.37	0.784	0.707	0.712	1.30	3.22	2.01	8
9	1.68B	4.19	0.900B	1.91	1.53	1.44	0.856	0.690	0.703	4.38	2.43	1.85B	9
10	1.57B	5.27B	1.51 B	2.42	1.77	1.28	0.806	0.684	0.765	6.74	2.18	2.03	10
11	1.53B	4.40B	4.30 B	3.83	1.97	1.16	0.751	0.762	0.716	4.90	2.05	1.80B	11
12	1.47B	3.13	13.6	3.15	1.74	1.12	0.736	1.04	0.709	3.48	1.85B	1.71B	12
13	1.44B	2.52	34.5	2.46	1.70	1.42	0.722	1.41	0.698	3.30	1.72B	3.20B	13
14	1.41B	2.22B	20.2	2.38	1.57	1.36	0.749	1.20	0.753	2.59	1.68	2.69B	14
15	1.39B	2.03B	11.9	2.97	1.41	1.52	1.19	1.04	1.01	2.15	1.88	2.34B	15
16	1.34B	1.90B	8.11	2.73	1.78	1.37	1.08	1.03	0.987	1.81	2.36	2.15	16
17	1.00B	1.78B	6.26	2.73	4.89	1.17	0.911	0.917	0.924	2.64	2.29	1.91	17
18	6.16	1.66B	4.75	2.48	5.98	1.08	0.820	0.826	0.841	3.53	1.87	2.46	18
19	4.40B	1.56B	3.56	2.15	3.83	0.975	0.787	0.816	0.894	3.45	1.65	3.01	19
20	3.55B	1.48B	2.90	2.25	6.76	0.895	0.989	0.786	0.916	2.60	1.57	2.21B	20
21	2.88B	1.44B	2.75	2.52	8.48	0.929	0.869	0.773	0.932	2.03	1.51	1.94B	21
22	2.59B	2.49B	2.74	2.44	4.07	0.955	0.890	0.777	0.958	1.73	2.64	4.30	22
23	2.40B	4.13B	4.87	2.26	2.65	1.42	1.16	0.780	0.959	1.60	3.89	5.70B	23
24	2.16	3.18B	4.34	2.07	2.08	2.21	0.927	0.746	0.939	1.51	3.24	3.98B	24
25	2.32	3.03B	3.05	1.95	1.83	2.10	0.842	0.731	0.902	1.43	2.56	2.78B	25
26	2.86	2.83B	2.61	1.88	1.65	1.43	0.805	0.708	0.912	1.41	2.18	2.15B	26
27	2.67	2.15B	2.21	1.72	1.50	1.15	0.858	1.07	0.871	1.36	2.64	1.84B	27
28	2.85B	1.91B	1.98	1.64	1.41	0.996	0.765	1.56	0.829	1.33	4.39	1.63B	28
29	2.43B		1.89	1.54	1.29	1.65	0.685	1.36	1.09	1.31	3.59	7.85B	29
30	2.33B		1.91	1.46	1.20	2.28	0.752	1.06	2.40	1.27	2.59	13.8 B	30
31	2.03		2.16		1.12		0.862	0.892		1.24		5.60B	31
TOTAL	68.80	69.18	171.751	77.68	75.71	45.600	28.131	27.713	26.708	71.30	74.85	95.73	TOTAL
MEAN	2.22	2.47	5.54	2.59	2.44	1.52	0.908	0.894	0.890	2.30	2.50	3.09	MEAN
MAX	6.16	5.27	34.5	5.53	8.48	3.37	1.77	1.56	2.40	6.74	6.52	13.8	MAX
MIN	1.14	1.44	0.770	1.46	1.12	0.895	0.685	0.684	0.698	1.24	1.18	1.63	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.28
MAXIMUM DAILY, 34.5 ON MAR 13
MINIMUM DAILY, 0.684 ON AUG 10
MAXIMUM INSTANTANEOUS,
41.7 AT 20:20 EST ON MAR 12

REMARKS - STATION ACTIVATED IN SEP 1989

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 01 27 N
LONG 079 58 15 W
DRAINAGE AREA, 172.9 km²

B - ICE CONDITIONS

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 940	JUL	2 430
FEB	5 980	AUG	2 390
MAR	14 800	SEP	2 310
APR	6 710	OCT	6 160
MAY	6 540	NOV	6 470
JUN	3 940	DEC	8 270

TOTAL DISCHARGE, 71 900 dam³

NOTTAWASAGA RIVER NEAR BAXTER - STATION NO. 02ED003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.35B	9.55B	8.15B	16.1	5.99	4.47	9.93	2.85	2.31	7.53	4.50	9.10	1
2	5.95B	11.3 B	7.35B	19.6	5.54	5.09	7.18	2.53	2.29	5.75	4.41	8.09	2
3	5.70B	11.0 B	6.20B	36.5	5.11	19.9	5.11	2.21	2.27	4.64	4.32	7.41	3
4	8.55B	10.3 B	5.25B	30.3 E	5.11	12.4	4.13	2.13	2.23	4.09	4.36	9.77	4
5	10.0 B	9.80B	4.58B	27.1 E	6.99	8.92	3.40	2.36	2.54	4.78	5.46	13.6 B	5
6	11.2 B	9.50B	4.35B	18.8 E	11.2	6.88	3.03	2.47	2.53	5.45	23.7	11.3 B	6
7	9.05B	9.20B	4.03B	14.9 E	8.65	5.92	2.79	2.23	2.52	4.51	26.7	10.3 B	7
8	7.75B	8.90B	3.85B	12.7 E	7.55	5.20	2.75	2.14	2.43	3.92	16.8	9.85	8
9	7.21B	21.0 B	4.50B	11.6 E	6.75	5.34	3.28	2.07	2.36	7.33	12.6	9.35	9
10	6.88B	26.4 B	6.00B	13.4	6.67	5.32	3.18	1.99	2.43	24.5	11.2	11.2	10
11	6.65B	22.0 B	21.5 B	29.3	7.62	4.84	2.74	2.14	2.48	19.5	10.8	9.45B	11
12	6.40B	15.7 B	168 B	27.8	7.08	4.35	2.43	2.56	2.34	14.7	9.82	8.55B	12
13	6.15B	12.6 B	243	17.0	6.51	4.56	2.37	4.15	2.27	13.4	8.87	12.9	13
14	6.00B	11.1 B	195	14.3	6.38	6.20	2.49	4.91	2.39	11.7	8.26	15.2 B	14
15	5.85B	10.2 B	125	14.8	5.85	13.9	3.58	3.74	3.52	8.91	8.62	12.7 B	15
16	5.75B	9.50B	77.2	14.9	5.99	8.16	4.80	3.37	3.74	7.25	10.8	10.8 B	16
17	6.40B	8.90B	52.2	13.7	11.9	5.75	3.80	3.17	3.25	6.95	10.5	9.52	17
18	30.8 B	8.30B	36.8	13.0	23.8	4.86	3.27	2.95	2.96	10.4	8.74	10.4	18
19	22.0 B	7.80B	25.6	11.3	16.8	4.14	2.97	2.92	2.85	11.8	7.40	16.3	19
20	17.8 B	7.40B	20.3	10.5	17.5	3.74	3.41	2.76	2.97	10.3	6.82	11.3 B	20
21	14.4 B	7.20B	18.5	13.5	45.1	3.60	3.90	2.70	2.94	8.09	6.55	9.50B	21
22	13.0 B	12.5 B	17.7	13.5	25.1	3.52	3.27	2.61	2.90	6.92	8.09	17.1	22
23	12.0 B	20.7 B	24.3	11.8	15.2	3.55	3.40	2.66	2.83	6.04	14.9	33.4	23
24	10.8 B	15.9 B	22.6	10.4	11.3	6.53	3.46	2.54	2.77	5.51	13.9	25.8 B	24
25	11.6 B	15.2 B	16.2	9.49	8.86	7.04	2.99	2.33	2.70	5.25	11.5	17.0 B	25
26	14.3 B	14.2 B	15.2	8.32	7.99	5.37	2.58	2.37	2.66	5.09	9.89	10.8 B	26
27	13.4 B	10.8 B	12.9	8.08	7.07	4.15	2.28	2.37	2.61	4.92	9.42	8.50B	27
28	14.3 B	9.55B	11.9	7.42	6.16	3.52	2.33	2.65	2.54	4.71	14.6	7.00B	28
29	12.2 B		11.3	6.95	5.58	3.76	2.24	3.13	2.60	4.76	14.7	15.9 B	29
30	11.7 B		11.5	6.41	5.20	7.45	2.27	2.93	4.77	4.73	11.2	51.5 B	30
31	10.2 B		13.8		4.86		2.93	2.46		4.60		48.1	31
TOTAL	330.34	346.50	1 194.76	459.47	321.61	188.43	108.29	84.30	82.00	248.03	319.43	461.69	TOTAL
MEAN	10.7	12.4	38.5	15.3	10.4	6.28	3.49	2.72	2.73	8.00	10.6	14.9	MEAN
MAX	30.8	26.4	243	36.5	45.1	19.9	9.93	4.91	4.77	24.5	26.7	51.5	MAX
MIN	5.70	7.20	3.85	6.41	4.86	3.52	2.24	1.99	2.23	3.92	4.32	7.00	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.4
MAXIMUM DAILY, 243 ON MAR 13
MINIMUM DAILY, 1.99 ON AUG 10
MAXIMUM INSTANTANEOUS,
249 AT 06:22 EST ON MAR 13

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 14 59 N
LONG 079 49 20 W
DRAINAGE AREA, 1 180 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	28 500	JUL	9 360
FEB	29 900	AUG	7 280
MAR	103 000	SEP	7 080
APR	39 700	OCT	21 400
MAY	27 800	NOV	27 600
JUN	16 300	DEC	39 900

TOTAL DISCHARGE, 358 000 dam³

OAKVILLE CREEK AT MILTON - STATION NO. 02HB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.284	1.16 B	1.50 B	0.743	0.716	0.762	0.474	0.322	0.238	0.553	0.512	0.675	1
2	0.273	1.14	1.70 B	1.46	0.650	0.658	0.446	0.314	0.237	0.518	0.515	0.650	2
3	0.295	0.638B	1.60 B	1.65	0.618	1.00	0.438	0.311	0.251	0.416	0.509	1.14	3
4	1.28 B	0.690	1.40 B	1.48	0.730	0.939	0.448	0.296	0.259	0.718	0.537	3.46	4
5	0.956	0.716	1.20 B	1.08	1.28	0.707	0.376	0.377	0.270	0.332	4.02	2.10	5
6	0.612	0.769	1.10 B	0.926	0.889	0.736	0.368	0.295	0.270	0.234	3.60	1.68	6
7	0.436	1.03	1.07 B	0.905	0.799	0.682	0.349	0.306	0.279	0.240	1.31	1.49	7
8	0.421	2.01	1.05 B	0.820E	0.561	0.862	0.596	0.285	0.257	0.462	1.13	1.38	8
9	0.446	2.98	1.08	0.720E	0.411	0.791	0.745	0.282	0.254	0.995	1.10	1.57	9
10	1.10	1.97	1.68	1.57	0.518	0.694	0.482	0.289	0.246	0.670	1.11	2.07	10
11	0.812	1.50	5.31	1.67	0.517	0.649	0.382	0.292	0.250	0.503	1.06	1.34	11
12	0.613	1.39	6.45	0.871	0.522	0.566	0.348	0.758	0.230	1.72	0.998	1.25	12
13	0.383	1.47	6.92	0.787	1.36	0.438	0.347	0.973	0.247	1.02	0.873	2.18	13
14	0.352	1.58	6.31	1.03	0.978	0.373	0.370	0.419	0.551	0.393	0.758	1.31	14
15	0.357	0.980B	5.68	1.03	0.771	0.343	1.00	0.300	0.312	0.429	0.812	1.09 B	15
16	0.371	1.00 B	5.20	1.13	3.89	0.328	0.575	0.296	0.280	0.598	0.915	1.09 B	16
17	3.76 B	1.06 B	4.49	1.57	4.53	0.312	0.424	0.275	0.270	1.85	0.901	1.13	17
18	3.58	1.02 B	3.66	1.34	3.42	0.310	0.378	0.316	0.255	1.78	0.881	2.23	18
19	1.22 B	0.980B	3.15	1.18	2.69	0.314	0.359	0.627	0.321	1.29	0.877	2.13	19
20	0.948	0.900B	2.73	1.20	6.56	0.292	0.486	0.315	0.377	1.12	1.12	1.63	20
21	0.884	0.881	2.46	1.33	4.15	0.323	0.437	0.292	0.490	1.07	0.753	2.73	21
22	0.823	4.56	1.93	1.26	2.94	0.484	0.723	0.265	0.574	1.05	0.986	3.73	22
23	0.743	6.85	2.06	1.16	2.55	0.854	0.703	0.245	0.637	1.03	0.896	6.43	23
24	1.69	3.12	1.69	1.07	2.26	0.699	0.444	0.228	0.623	1.04	0.932	2.98	24
25	1.43	1.95 B	1.57	0.842	2.10	0.576	0.390	0.236	0.607	0.876	0.892	1.90 B	25
26	1.17	1.80 B	1.16	0.677	1.56	0.518	0.354	0.196	0.552	0.673	0.791	1.60 B	26
27	0.881	1.68 B	0.863	0.671	1.31	0.452	0.328	0.759	0.558	0.563	1.15	1.38 B	27
28	0.999B	1.60 B	0.756	0.709	1.28	0.431	0.325	1.28	0.535	0.537	1.12	1.51	28
29	0.851		0.681	0.756	1.28	0.671	0.305	0.318	0.562	0.579	0.867	12.2	29
30	0.827B		0.773	0.735	1.03	0.523	0.507	0.274	0.824	0.563	0.714	8.88	30
31	0.803		0.755		0.907		0.390	0.250		0.549		5.82	31
TOTAL	29.600	47.424	77.978	32.372	53.777	17.287	14.297	11.991	11.616	24.371	32.639	80.755	TOTAL
MEAN	0.955	1.69	2.52	1.08	1.73	0.576	0.461	0.387	0.387	0.786	1.09	2.61	MEAN
MAX	3.76	6.85	6.92	1.67	6.56	1.00	1.00	1.28	0.824	1.85	4.02	12.2	MAX
MIN	0.273	0.638	0.681	0.671	0.411	0.292	0.305	0.196	0.230	0.234	0.509	0.650	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.19
MAXIMUM DAILY, 12.2 ON DEC 29
MINIMUM DAILY, 0.196 ON AUG 26
MAXIMUM INSTANTANEOUS,
21.9 AT 13:32 EST ON DEC 29

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 30 19 N
LONG 079 51 48 W
DRAINAGE AREA, 95.6 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 560	JUL	1 240
FEB	4 100	AUG	1 040
MAR	6 740	SEP	1 000
APR	2 800	OCT	2 110
MAY	4 650	NOV	2 820
JUN	1 490	DEC	6 980

TOTAL DISCHARGE, 37 500 dam³

OGOKI RIVER ABOVE WHITECLAY LAKE - STATION NO. 04GB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	D
1	42.6	42.4	40.4	38.7	69.0	196	261	195	86.9	56.4	52.9	51.6	
2	42.5	42.2	39.9	38.9	76.5	183	260	190	84.7	55.5	52.6	51.6	
3	42.3	42.4	39.7	39.2	84.4	186	258	183	83.3	57.4	53.4	51.4	
4	42.6	42.2	39.6	39.0	92.9	196	260	175	82.5	59.9	53.0	51.5	
5	42.3	42.3	39.6	38.9	99.9	197	260	170	82.7	59.4	52.1	51.8	
6	42.1	42.2	39.4	39.0	109	202	260	167	77.9	57.9	51.9	52.0	
7	42.4	42.1	39.4	39.1	117	204	259	162	77.2	57.6	52.0	51.8	
8	42.3	42.0	39.2	39.1	127	206	264	159	77.1	57.2	51.7	52.0	
9	42.6	41.7	39.1	38.8	137	210	269	151	73.6	57.1	51.7	52.2	
10	42.7	41.8	39.0	38.6	146	213	271	146	73.4	57.0	51.8	52.2	1
11	43.5	41.8	38.8	38.6	154	216	271	143	72.7	56.8	51.8	52.1	1
12	43.4	41.6	38.9	38.7	163	219	276	139	68.6	56.8	50.4	52.0	1
13	43.3	41.4	39.1	38.7	171	222	277	138	67.9	56.6	49.5	52.5	1
14	43.1	41.4	39.1	38.7	177	220	277	133	67.6	56.2	49.7	52.6	1
15	43.1	41.4	39.1	38.9	184	222	275	128	67.4	56.7	49.6	52.6	1
16	43.2	41.1	39.6	39.1	188	221	274	125	66.5	56.3	49.6	52.5	1
17	42.9	41.0	39.7	39.1	194	221	271	120	66.4	53.7	49.3	52.7	1
18	42.8	41.0	39.5	39.1	199	229	270	114	66.0	52.3	49.1	52.2	1
19	42.7	41.0	39.7	39.8	202	236	264	111	65.0	53.9	49.0	52.2	1
20	42.5	41.0	39.5	39.6	204	241	257	109	63.4	53.9	48.8	52.1	2
21	42.6	41.0	39.4	39.8	208	246	252	107	62.3	55.2	49.6	52.1	2
22	42.8	40.9	39.5	40.1	210	249	249	105	60.8	55.0	51.2	52.5	2
23	42.5	40.8	39.5	40.4	210	251	245	102	62.3	54.4	50.6	52.6	2
24	42.5	40.7	39.4	41.4	210	255	239	100	62.0	53.8	50.2	52.6	2
25	42.7	40.6	39.3	42.7	210	258	234	97.4	60.5	54.0	50.3	52.4	2
26	42.5	40.5	39.1	45.3	210	257	227	95.5	60.2	54.8	50.5	52.4	2
27	42.7	40.5	39.0	48.3	207	258	223	92.8	59.6	53.8	50.6	52.5	2
28	42.6	40.4	39.0	52.5	202	256	218	93.2	58.1	54.3	51.3	52.6	2
29	42.4		39.0	57.2	202	258	210	92.5	56.8	54.1	51.5	52.5	2
30	42.6		38.9	63.3	200	258	206	90.7	56.7	53.7	51.6	52.4	3
31	42.4		38.9		198		201	88.8		53.0		52.5	3
TOTAL	1 323.4	1 159.4	1 219.3	1 250.6	5 161.7	6 786	7 838	4 022.9	2 070.1	1 724.7	1 527.3	1 618.7	TO
MEAN	42.7	41.4	39.3	41.7	167	226	253	130	69.0	55.6	50.9	52.2	ME
MAX	43.5	42.4	40.4	63.3	210	258	277	195	86.9	59.9	53.4	52.7	MA
MIN	42.1	40.4	38.8	38.6	69.0	183	201	88.8	56.7	52.3	48.8	51.4	MI

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 97.8
MAXIMUM DAILY, 277 ON JUL 13
MINIMUM DAILY, 38.6 ON APR 10
MAXIMUM INSTANTANEOUS,
280 AT 15:48 EST ON JUL 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 52 00 N
LONG 088 55 50 W
DRAINAGE AREA, 11 200 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	114 000	JUL	677 000
FEB	100 000	AUG	348 000
MAR	105 000	SEP	179 000
APR	108 000	OCT	149 000
MAY	446 000	NOV	132 000
JUN	586 000	DEC	140 000

TOTAL DISCHARGE, 3 080 000 dam³

OGOKI RIVER AT WABOOSE FALLS DAM - STATION NO. 04GB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	D
1	0	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	0	0	0	2
21	0	0	0	0	0	0	0	0	0	0	0	0	2
22	0	0	0	0	0	0	0	0	0	0	0	0	2
23	0	0	0	0	0	0	0	0	0	0	0	0	2
24	0	0	0	0	0	0	0	0	0	0	0	0	2
25	0	0	0	0	0	0	0	0	0	0	0	0	2
26	0	0	0	0	0	0	0	0	0	0	0	0	2
27	0	0	0	0	0	0	0	0	0	0	0	0	2
28	0	0	0	0	0	0	0	0	0	0	0	0	2
29	0		0	0	0	0	0	0	0	0	0	0	3
30	0		0	0	0	0	0	0	0	0	0	0	3
31	0		0		0		0	0		0		0	3
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	TO
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	ME
MAX	0	0	0	0	0	0	0	0	0	0	0	0	MA
MIN	0	0	0	0	0	0	0	0	0	0	0	0	MI

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 45 20 N
LONG 087 59 40 W
DRAINAGE AREA, 13 600 km²

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	0	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	0
JUN	0	DEC	0

TOTAL DISCHARGE, 0 dam³

DATA CONTRIBUTED BY -
ONTARIO HYDRO

REGULATED SINCE 1943

REMARKS - ONTARIO HYDRO REPORTED DAM CLOSED ALL YEAR

OGOKI RIVER DIVERSION TO LAKE NIPIGON - STATION NO. 02AD009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	40.1	36.1	---	---	---	144	278	255	140	80.5	41.1	50.4	1
2	40.1	36.1	---	---	---	146	278	249	136	80.5	42.2	50.4	2
3	40.1	36.1	---	---	---	155	281	247	132	80.5	43.3	50.4	3
4	40.1	36.1	---	---	---	159	281	247	132	80.5	43.3	50.4	4
5	40.1	36.1	---	---	56.8	233	281	244	130	80.5	43.3	50.4	5
6	40.1	36.1	---	---	59.5	207	278	241	128	78.9	44.5	51.7	6
7	39.0	35.2	---	---	60.9	263	275	236	124	77.3	44.5	51.7	7
8	39.0	35.2	---	---	---	263	281	233	120	75.7	44.5	51.7	8
9	39.0	36.1	---	---	---	261	284	230	116	75.7	44.5	51.7	9
10	38.0	36.1	---	---	---	261	284	225	116	74.1	42.2	51.7	10
11	38.0	36.1	---	---	---	258	281	222	112	74.1	41.1	51.7	11
12	38.0	36.1	---	---	---	258	281	217	112	72.6	40.1	51.7	12
13	38.0	35.2	---	---	---	258	284	212	108	71.1	43.3	51.7	13
14	38.0	36.1	---	---	---	261	284	207	106	71.1	44.5	51.7	14
15	38.0	36.1	---	---	---	258	281	202	105	69.5	44.5	52.9	15
16	38.0	36.1	---	---	---	258	281	195	105	69.5	45.6	52.9	16
17	38.0	36.1	---	---	---	263	281	190	101	68.1	45.6	52.9	17
18	38.0	35.2	---	---	---	269	281	185	97.3	68.1	46.8	52.9	18
19	38.0	36.1	---	---	95.6	269	281	182	97.3	68.1	46.8	52.9	19
20	38.0	37.1	---	---	101	272	281	180	95.6	66.6	46.8	52.9	20
21	38.0	37.1	---	---	105	272	278	175	93.8	66.6	48.0	52.9	21
22	38.0	37.1	---	---	108	275	278	171	95.6	65.1	49.2	52.9	22
23	38.0	38.0	---	---	114	275	275	168	93.8	65.1	49.2	52.9	23
24	37.1	---	---	---	118	275	275	164	92.1	65.1	49.2	52.9	24
25	37.1	---	---	---	122	275	272	162	88.7	63.7	49.2	52.9	25
26	37.1	---	---	---	126	275	269	157	88.7	62.3	49.2	52.9	26
27	37.1	---	---	---	130	275	266	155	87.0	63.7	49.2	52.9	27
28	37.1	---	---	---	134	275	263	153	85.4	63.7	50.4	52.9	28
29	36.1		---	---	136	275	263	148	83.7	62.3	50.4	52.9	29
30	36.1		---	---	140	278	261	146	82.1	51.7	50.4	52.9	30
31	36.1		---		142		258	142		43.3		52.9	31
TOTAL	1 183.4	---	---	---	---	7 466	8 575	6 140	3 204.1	2 155.6	1 372.9	1 616.6	TOTAL
MEAN	38.2	---	---	---	---	249	277	198	107	69.5	45.8	52.1	MEAN
MAX	40.1	---	---	---	---	278	284	255	140	80.5	50.4	52.9	MAX
MIN	36.1	---	---	---	---	144	258	142	82.1	43.3	40.1	50.4	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 284 ON JUL 09
MINIMUM DAILY, 35.2 ON FEB 07

DATA CONTRIBUTED BY -
ONTARIO HYDRO

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 38 15 N
LONG 088 12 30 W

REGULATED SINCE 1943

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	102 000	JUL	741 000
FEB	---	AUG	530 000
MAR	---	SEP	277 000
APR	---	OCT	186 000
MAY	---	NOV	119 000
JUN	645 000	DEC	140 000

ONAPING RIVER NEAR LEVACK - STATION NO. 02CF010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.01B	3.55B	2.20B	11.7B	32.2	39.1	36.1	6.11	1.80	1.53	7.48	24.5	1
2	2.00B	3.47B	2.24B	11.5B	29.9	36.5	31.6	6.03	1.69	1.64	7.24	19.0 B	2
3	1.99B	3.38B	2.20B	11.3B	27.7	35.2	27.2	5.74	1.65	1.66	7.08	17.5 B	3
4	2.02B	3.32B	2.17B	11.2B	25.2	34.1	24.1	5.76	1.65	1.94	7.07	16.0 B	4
5	2.04B	3.27B	2.12B	11.0B	22.8	31.4	21.6	5.81	1.75	2.11	7.01	15.0 B	5
6	2.03B	3.23B	2.08B	10.8B	20.5	27.1	19.0	5.33	1.66	2.17	7.73	14.5 B	6
7	2.00B	3.21B	2.04B	10.7B	19.3	24.3	16.2	5.05	1.62	2.03	7.85	13.8 B	7
8	1.99B	3.19B	2.01B	10.6B	21.6	19.6	15.0	4.83	1.56	1.97	7.69	13.4 B	8
9	1.98B	3.17B	1.99B	10.9B	23.2	14.3	15.3	4.70	1.49	1.97	7.58	13.0 B	9
10	2.30B	3.13B	2.12B	11.5	27.3	12.5	14.2	4.08	1.43	2.14	7.59	12.6 B	10
11	4.35B	3.04B	2.40B	11.9	32.2	11.2	12.7	3.83	1.40	3.16	7.47	12.4 B	11
12	4.25B	3.00B	2.70B	11.3	30.5	10.1	10.3	3.84	1.50	3.42	6.91	12.0 B	12
13	4.18B	2.95B	3.20B	10.9	28.2	10.5	9.51	4.05	1.50	3.29	6.75B	11.7 B	13
14	4.10B	2.87B	3.70B	10.7	24.8	10.1	8.99	3.73	1.65	3.20	6.70B	11.5 B	14
15	4.03B	2.76B	5.00B	10.7	22.1	9.44	8.63	3.55	1.66	3.49	6.65B	11.2 B	15
16	3.95B	2.70B	10.0 B	10.7	23.4	8.83	8.36	3.34	1.98	3.55	7.68	10.9 B	16
17	3.90B	2.65B	18.4 B	11.1	44.4	8.70	8.22	3.23	1.87	4.01	8.60	10.7 B	17
18	4.20B	2.60B	20.2 B	11.1	86.8	9.53	8.09	3.08	1.59	5.54	8.87	10.5 B	18
19	4.55B	2.56B	22.9 B	11.2	84.0	14.6	8.01	3.00	1.53	7.75	9.27	10.4 B	19
20	4.45B	2.54B	23.2 B	12.2	83.2	14.2	7.73	2.87	1.47	7.47	9.57	10.3 B	20
21	4.35B	2.56B	20.8 B	14.5	78.1	12.8	7.08	2.79	1.56	7.62	10.1	10.2 B	21
22	4.30B	2.58B	19.4 B	16.0	74.2	11.8	7.28	2.72	1.75	7.73	13.5	10.2 B	22
23	4.20B	2.50B	18.2 B	23.2	75.6	16.9	6.81	2.63	1.75	7.43	16.2	10.0 B	23
24	4.15B	2.44B	17.0 B	30.0	76.3	25.9	6.60	2.56	1.72	8.65	17.3	9.70B	24
25	4.10B	2.38B	16.0 B	36.7	67.4	23.8	6.71	2.45	1.72	9.70	16.8	9.50B	25
26	4.05B	2.33B	15.2 B	41.8	63.2	21.5	6.26	2.40	1.62	9.03	15.4	9.30B	26
27	4.00B	2.28B	14.3 B	42.9	59.4	21.2	6.06	2.30	1.57	8.60	17.4	9.05B	27
28	3.85B	2.23B	13.8 B	40.6	55.6	19.5	5.60	2.24	1.54	8.55	27.0	8.95B	28
29	3.75B		12.8 B	37.1	51.7	16.1	5.52	2.29	1.45	8.36	32.4	9.00B	29
30	3.65B		12.5 B	34.9	47.9	33.6	5.52	2.55	1.45	8.00	27.6	8.70B	30
31	3.60B		12.1 B		42.9		6.52	1.99	1.91	7.71		8.55B	31
TOTAL	106.32	79.89	304.97	542.7	1 397.6	594.50	381.00	114.20	48.54	155.42	346.49	374.05	TOTAL
MEAN	3.43	2.85	9.84	18.1	45.1	19.8	12.3	3.68	1.62	5.01	11.5	12.1	MEAN
MAX	4.55	3.55	23.2	42.9	86.8	39.1	36.1	6.11	1.98	9.70	32.4	24.5	MAX
MIN	1.98	2.23	1.99	10.6	19.3	8.70	5.29	1.91	1.40	1.53	6.65	8.55	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.2
MAXIMUM DAILY, 86.8 ON MAY 18
MINIMUM DAILY, 1.40 ON SEP 11
MAXIMUM INSTANTANEOUS,
93.3 AT 12:03 EST ON MAY 18

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 36 00 N
LONG 081 22 51 W
DRAINAGE AREA, 1 570 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 190	JUL	32 900
FEB	6 900	AUG	9 870
MAR	26 300	SEP	4 190
APR	46 900	OCT	13 400
MAY	121 000	NOV	29 900
JUN	51 400	DEC	32 300

TOTAL DISCHARGE, 384 000 dam³

REMARKS - INCLUDES ONAPING LAKE BASIN. EXTREME HIGH WATER SPILLED INTO SPANISH RIVER SYSTEM

OSHAWA CREEK AT OSHAWA - STATION NO. 02HD008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.540B	0.836B	1.06	1.10	0.753	0.594	1.18	0.454	0.456	0.583	0.620	0.648
2	0.520B	0.790B	1.71	1.42	0.632	0.614	0.717	0.454	0.449	0.534	0.624	0.642
3	0.500B	0.740B	1.54	2.19	0.579	0.932	0.605	0.445	0.449	0.509	0.628	0.713B
4	0.740B	0.803	0.902	2.95	0.630	0.807	0.588	0.456	0.455	0.624	0.636	1.47 B
5	1.12 B	0.920	0.772	2.83	0.724	0.691	0.531	0.540	1.25	0.638	0.774	1.09 B
6	0.700B	1.07	0.930	1.56	0.652	0.664	0.521	0.534	0.680	0.557	1.23	0.992
7	0.500B	0.972	1.12	1.21	0.574	0.625	0.498	0.510	0.571	0.527	0.871	0.918
8	0.460B	3.62	1.57	1.04	0.649	0.635	0.580	0.503	0.522	0.540	0.775	0.917
9	0.540B	9.26	1.55	1.01	0.649	0.720	0.697	0.472	0.495	0.846	0.722	0.966
10	1.15 B	2.62 B	1.58	3.16	0.678	0.647	0.556	0.472	0.497	1.51	0.727	1.05
11	0.700B	1.78 B	13.1	4.46	0.708	0.640	0.521	0.460	0.498	0.923	0.702	0.840
12	0.440B	1.06 B	48.7	1.70	0.644	0.584	0.505	0.515	0.493	1.16	0.681	0.802
13	0.395B	2.02	14.4	1.28	0.773	0.591	0.490	0.902	0.474	1.86	0.659	1.00
14	0.520B	2.37	6.56	1.13	0.753	0.580	0.540	0.713	0.527	0.965	0.646	0.882B
15	0.697B	0.848B	3.96	1.90	0.646	0.576	1.91	0.697	0.685	0.764	0.663	0.798
16	0.900B	1.18	3.00	1.44	0.791	0.542	0.843	0.810	0.576	0.670	0.707	0.759
17	1.26 B	0.980B	2.30	1.70	3.08	0.529	0.653	0.586	0.531	1.09	0.710	0.747
18	6.56 B	0.900B	1.72	1.25	1.79	0.540	0.588	0.572	0.489	1.67	0.666	1.27
19	1.55 B	0.840B	1.18	1.09	1.09	0.521	0.579	0.557	0.506	1.44	0.632	1.37
20	1.32 B	0.780B	1.02	1.27	1.88	0.499	0.636	0.519	0.511	0.921	0.645	1.06 B
21	0.917B	0.750B	1.06	2.16	1.91	0.619	0.582	0.507	0.486	0.762	0.662	1.01
22	0.825B	3.00 B	1.16	1.47	1.16	0.601	0.819	0.505	0.505	0.724	0.771	2.59
23	0.718B	6.00 B	1.67	1.26	0.982	0.645	0.807	0.527	0.509	0.683	0.954	7.31
24	0.940B	2.00 B	1.07	1.14	0.834	0.612	0.618	0.508	0.497	0.666	0.903	2.40 B
25	5.42 B	1.60 B	0.971B	1.02	0.775	0.563	0.564	0.487	0.489	0.643	0.784	2.50 B
26	4.15	1.30 B	0.893	1.00	0.752	0.513	0.540	0.479	0.485	0.615	0.720	2.58
27	1.95	1.19	0.888	0.994	0.712	0.562	0.505	0.481	0.491	0.614	0.715	1.89
28	2.68	1.02	0.927	0.927	0.711	0.542	0.493	0.473	0.481	0.608	0.761	1.41
29	1.32 B		0.757	0.826	0.635	0.730	0.481	0.479	0.529	0.678	0.721	4.07
30	1.06 B		0.881	0.798	0.637	1.30	0.511	0.442	0.681	0.666	0.674	6.36
31	0.940B		1.08		0.635		0.491	0.440		0.655		2.60 B
TOTAL	42.032	51.249	119.931	47.485	28.418	19.218	20.149	16.499	16.267	25.725	21.983	53.654
MEAN	1.36	1.83	3.87	1.58	0.917	0.641	0.650	0.532	0.542	0.830	0.733	1.73
MAX	6.56	9.26	48.7	4.46	3.08	1.30	1.91	0.902	1.25	1.86	1.23	7.31
MIN	0.395	0.740	0.757	0.798	0.574	0.499	0.481	0.440	0.449	0.509	0.620	0.642

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.27
MAXIMUM DAILY, 48.7 ON MAR 12
MINIMUM DAILY, 0.395B ON JAN 13
MAXIMUM INSTANTANEOUS,
104 AT 03:57 EST ON MAR 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 55 49 N
LONG 078 53 29 W
DRAINAGE AREA, 95.8 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 630	JUL	1 740
FEB	4 430	AUG	1 430
MAR	10 400	SEP	1 410
APR	4 100	OCT	2 220
MAY	2 460	NOV	1 900
JUN	1 660	DEC	4 640

TOTAL DISCHARGE, 40 000 dam³

OSWEGO CREEK AT CANBORO - STATION NO. 02HA024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.110B	0.515	0.442	0.322	0.058	0.077	0.009	0.008	0.029E	0.016	0.075	0.407
2	0.106B	1.40 B	0.375B	0.473	0.051	0.061	0.009	0.008	0.028E	0.014	0.069	0.321
3	0.102B	1.90 B	0.406B	0.897	0.043	0.050	0.008	0.008	0.027E	0.010	0.060	0.643
4	1.32	1.78 B	0.355B	1.45	0.037	0.048	0.008	0.007	0.026A	0.013	0.051	10.7
5	5.97	1.37	0.300B	1.48	0.071	0.044	0.008	0.007	0.027E	0.021	0.155	10.1 B
6	4.27 B	1.04	0.215B	1.08	0.100	0.043	0.009	0.007	0.028E	0.023	1.80	4.59
7	2.26 B	1.06	0.159	0.679	0.110	0.039	0.009	0.007	0.030E	0.025	2.29	2.19 B
8	1.67	3.19	0.132	0.487	0.109	0.037	0.008	0.007	0.028E	0.037	1.53	1.60
9	1.44	14.3	0.166	0.440	0.108	0.035	0.010	0.006	0.026E	0.101	0.963	1.28
10	2.11	11.1	0.811	1.15	0.107	0.035	0.010	0.007	0.024E	0.223	0.762	1.18
11	2.53 B	2.04 B	6.39	8.86	0.106	0.032	0.009	0.007	0.022E	0.522	0.576	0.942
12	2.24 B	1.48 B	12.5	3.97	0.106	0.029	0.010	0.006	0.020E	0.994	0.451	0.623
13	1.82 B	1.16 B	13.9	1.51	0.495	0.028	0.009	0.007	0.018E	1.74	0.370	0.535
14	1.16	1.50	7.97	0.897	1.61	0.027	0.009	0.008	0.016E	1.48	0.287	0.411B
15	0.855	0.981	3.33	0.827	1.64	0.025	0.010	0.008	0.014E	1.01	0.235	0.324
16	0.999	1.03	1.96	0.639	2.61	0.02.	0.010	0.008	0.013E	0.652	0.211	0.722
17	6.35	1.40	1.39	0.481	9.09	0.018	0.010	0.007	0.012E	0.446	0.255	1.28
18	25.0	1.38	1.09	0.376	5.84	0.016	0.009	0.008	0.011E	0.409	0.223	2.50
19	11.6 B	1.05	0.665B	0.274	2.51	0.016	0.009	0.013	0.012E	0.366	0.188	7.30
20	5.08 B	0.693	0.614B	0.218	1.71	0.014	0.009	0.019	0.015A	0.271	0.154	3.81
21	2.03	0.485	0.515	0.621	1.45	0.013	0.009	0.018E	0.008A	0.213	0.129	1.85
22	1.05	5.12	0.445	0.994	1.38	0.012	0.008	0.017E	0.009	0.179	0.127	3.91
23	0.683	20.0	0.415	0.755	0.997	0.012	0.009	0.016E	0.008	0.152	0.174	16.6
24	1.31	7.94 B	0.387	0.445	0.644	0.012	0.009	0.015E	0.007	0.137	0.231	14.4
25	2.64	2.44 B	0.303	0.296	0.431	0.012	0.009	0.014E	0.006	0.113	0.264	5.55 B
26	3.38	1.90 B	0.231	0.203	0.277	0.010	0.008	0.013E	0.007	0.090	0.239	2.20 B
27	1.97	1.05	0.175	0.154	0.189	0.010	0.008	0.012E	0.007	0.072	0.632	0.870B
28	1.55 B	0.627	0.137	0.116	0.142	0.009	0.009	0.028	0.008	0.069	1.09	0.533B
29	1.08 B		0.118	0.091	0.119	0.010	0.008	0.049	0.009	0.075	0.805	9.52
30	0.704		0.124	0.074	0.118	0.010	0.008	0.039	0.019	0.069	0.560	32.6
31	0.538		0.200		0.103		0.008	0.033		0.068		15.9 B
TOTAL	93.827	89.931	56.220	30.259	32.361	0.806	0.275	0.417	0.514	9.610	14.956	155.399
MEAN	3.03	3.21	1.81	1.01	1.04	0.027	0.009	0.014	0.017	0.310	0.499	5.01
MAX	25.0	20.0	13.9	8.86	9.09	0.077	0.010	0.049	0.030	1.74	2.29	32.6
MIN	0.102	0.485	0.118	0.074	0.037	0.009	0.008	0.006	0.006	0.010	0.051	0.321

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.33
MAXIMUM DAILY, 32.6 ON DEC 30
MINIMUM DAILY, 0.006 ON AUG 09
MAXIMUM INSTANTANEOUS,
35.7 AT 12:05 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 59 27 N
LONG 079 40 42 W
DRAINAGE AREA, 80.7 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	8 110	JUL	23.8
FEB	7 770	AUG	36.0
MAR	4 860	SEP	44.4
APR	2 610	OCT	830
MAY	2 800	NOV	1 290
JUN	69.6	DEC	13 400

TOTAL DISCHARGE, 41 800 dam³

OTOSKWIN RIVER BELOW BADESDAWA LAKE - STATION NO. 04FA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	22.7B	19.2B	17.0B	15.1B	96.7	144	204	59.7	21.5	34.9	47.6	47.8B	1
2	22.5B	19.1B	17.0B	15.2B	108	130	202	57.5	21.4	34.4	48.6	47.0B	2
3	22.3B	19.0B	16.9B	15.2B	118	150	197	54.2	21.7	36.4	51.0	46.1B	3
4	22.1B	19.0B	16.9B	15.2B	129	174	192	51.8	23.0	41.3	48.8	45.3B	4
5	22.0B	18.9B	16.8B	15.2B	141	189	187	50.6	24.7	44.2	48.1	44.8B	5
6	21.9B	18.8B	16.8B	15.2B	151	206	180	49.5	22.7	46.5	48.4	43.9B	6
7	21.8B	18.8B	16.7B	15.2B	160	218	172	47.4	23.8	48.7	47.7	43.2B	7
8	21.7B	18.7B	16.7B	15.3B	168	232	164	45.5	24.0	50.8	47.3	42.8B	8
9	21.6B	18.6B	16.6B	15.3B	177	246	155	41.4	22.6	52.5	47.5	41.8B	9
10	21.5B	18.5B	16.5B	15.3B	182	259	148	40.8	23.1	54.2	47.0	40.8B	10
11	21.4B	18.5B	16.4B	15.3B	186	269	139	39.7	23.3	55.8	46.5	40.0B	11
12	21.2B	18.4B	16.3B	15.4B	193	268	135	39.4	21.4	55.1	46.4	39.5B	12
13	21.1B	18.3B	16.3B	15.4B	195	268	130	39.8	22.3	55.1	45.4	39.0B	13
14	21.0B	18.2B	16.2B	15.5B	197	261	122	36.8	23.7	55.5	44.7	38.3B	14
15	20.9B	18.1B	16.1B	15.6B	199	262	115	35.1	24.2	56.9	44.0	37.9B	15
16	20.8B	18.0B	16.0B	15.8B	198	255	109	33.6	25.4	55.9	43.4	37.3B	16
17	20.7B	18.0B	15.9B	15.9B	198	245	104	32.1	26.8	53.2	42.6	36.8B	17
18	20.5B	17.9B	15.8B	16.2B	200	238	102	30.0	28.0	53.0	42.0	36.2B	18
19	20.4B	17.8B	15.8B	16.5B	198	229	97.6	29.9	28.4	53.9	41.4	35.8B	19
20	20.3B	17.8B	15.8B	17.1B	196	223	93.6	29.4	28.3	53.7	40.7	35.3B	20
21	20.2B	17.7B	15.7B	18.2B	194	219	90.4	28.7	28.2	54.9	40.7	34.9B	21
22	20.1B	17.7B	15.7B	19.1B	191	216	87.8	27.6	28.7	53.2	45.1	34.3B	22
23	20.0B	17.6B	15.7B	20.1B	187	215	84.9	27.2	33.0	53.2	46.6	34.0B	23
24	19.9B	17.5B	15.6B	27.1	183	214	82.5	26.0	32.6	52.4	48.1	33.4B	24
25	19.8B	17.4B	15.5B	35.6	179	207	77.5	24.9	33.4	52.6	49.5	33.0B	25
26	19.7B	17.3B	15.4B	46.4	176	201	74.9	24.4	34.2	52.0	49.9	32.5B	26
27	19.5B	17.2B	15.4B	56.4	169	196	72.8	23.9	34.5	51.1	50.1	32.1B	27
28	19.5B	17.1B	15.3B	66.9	164	192	70.8	24.3	34.1	51.3	50.5	31.7B	28
29	19.4B		15.2B	77.0	159	196	65.7	23.9	34.4	51.6	49.5B	31.3B	29
30	19.4B		15.2B	85.9	154	199	63.9	22.6	35.1	49.7	49.0B	30.9B	30
31	19.3B		15.1B		149		61.7	22.6		48.3		30.6B	31
TOTAL	645.2	509.1	498.3	763.5	5 295.7	6 524	3 780.8	1 119.1	808.2	1 562.3	1 398.1	1 178.3	TOTAL
MEAN	20.8	18.2	16.1	25.5	171	217	122	36.1	26.9	50.4	46.6	38.0	MEAN
MAX	22.7	19.2	17.0	85.9	200	269	204	59.7	35.1	56.9	51.0	47.8	MAX
MIN	19.3	17.1	15.1	15.1	96.7	130	61.7	22.6	21.1	34.4	40.7	30.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 66.0
MAXIMUM DAILY, 269 ON JUN 11
MINIMUM DAILY, 15.1B ON MAR 31
MAXIMUM INSTANTANEOUS
282 AT 13:02 EST ON JUN 13

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 49 20 N
LONG 089 36 00 W
DRAINAGE AREA, 9 010 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	55 700	JUL	327 000
FEB	44 000	AUG	96 700
MAR	43 100	SEP	69 800
APR	66 000	OCT	135 000
MAY	458 000	NOV	121 000
JUN	564 000	DEC	102 000

TOTAL DISCHARGE, 2 080 000 dam³

OTTAWA RIVER AT BRITANNIA - STATION NO. 02KF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	962	1 270	1 010	1 820	2 760	1 640	1 280	707	473	599	1 640	2 200	1
2	970	1 290	1 120	1 770	2 920	1 620	1 260	651	485	702	1 690	2 420	2
3	931	1 330	1 120	1 670	2 760	1 480	1 280	630	455	694	1 610	2 480	3
4	963	1 370	985	1 880	2 640	1 490	1 320	619	438	716	1 610	2 680	4
5	943	1 370	1 020	2 060	2 520	1 500	1 150	664	434	612	1 600	2 650	5
6	1 040	1 370	963	2 020	2 320	1 350	1 100	683	447	616	1 590	2 550	6
7	1 040	1 380	913	2 020	2 060	1 280	1 050	665	468	699	1 530	2 450	7
8	1 090	1 380	898	1 980	1 800	988	922	649	450	781	1 570	2 410	8
9	1 120	1 390	891	1 970	1 660	905	908	585	446	983	1 540	2 300	9
10	1 100	1 390	920	1 910	1 600	922	838	495	432	1 090	1 450	2 330	10
11	1 090	1 390	883	1 980	1 590	965	922	486	401	1 130	1 450	2 290	11
12	1 030	1 380	884	1 990	1 310	945	1 050	487	404	1 200	1 430	2 240	12
13	1 110	1 360	924	1 870	1 300	922	976	483	428	1 220	1 410	2 150	13
14	1 150	1 360	1 290	1 820	1 350	884	991	498	435	1 090	1 270	1 920	14
15	1 230	1 270	1 420	1 730	1 220	962	986	502	462	1 040	1 230	1 860	15
16	1 200	1 240	1 380	1 730	1 230	947	958	489	443	1 080	1 240	1 780	16
17	1 200	1 290	1 490	1 760	1 250	885	981	509	450	1 170	1 130	1 740	17
18	1 280	1 170	1 720	1 750	1 360	835	968	551	458	1 250	1 090	1 680	18
19	1 170	1 220	1 910	1 720	1 500	797	935	514	455	1 300	1 130	1 670	19
20	1 180	1 250	1 820	1 670	1 540	802	956	459	468	1 290	1 270	1 670	20
21	1 230	1 090	1 850	1 730	1 660	857	918	455	441	1 340	1 350	1 620	21
22	1 190	1 030	2 020	1 760	2 090	867	869	491	467	1 380	1 410	1 600	22
23	1 270	1 140	2 100	1 850	2 270	894	922	498	500	1 560	1 440	1 610	23
24	1 510	1 200	2 120	2 020	2 330	765	948	487	480	1 740	1 430	1 660	24
25	1 270	1 170	2 110	2 110	2 310	928	978	488	458	1 770	1 560	1 690	25
26	1 220	1 120	2 140	2 280	2 260	1 030	959	522	489	1 780	1 550	1 580	26
27	1 260	1 030	2 100	2 400	2 230	889	881	491	521	1 730	1 590	1 560	27
28	1 170	1 060	2 110	2 420	2 060	863	795	471	516	1 840	1 630	1 570	28
29	1 260		1 970	2 540	2 010	1 110	731	499	551	1 790	1 700	1 530	29
30	1 290		1 890	2 610	1 890	1 230	730	468		1 770	1 900	1 610	30
31	1 310		1 850		1 760		705	453		1 720		1 620	31
TOTAL	35 479	35 310	45 821	58 840	59 460	31 552	30 267	16 649	13 878	37 682	44 040	61 020	TOTAL
MEAN	1 140	1 260	1 480	1 960	1 920	1 050	976	537	463	1 220	1 470	1 970	MEAN
MAX	1 310	1 390	2 140	2 610	2 920	1 640	1 320	707	551	1 840	1 900	2 680	MAX
MIN	931	1 030	883	1 670	1 220	765	705	453	401	599	1 090	1 530	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 290
MAXIMUM DAILY, 2 820 ON MAY 02
MINIMUM DAILY, 401 ON SEP 11
MAXIMUM INSTANTANEOUS
2 910 AT 08:09 EST ON MAY 02

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 21 54 N
LONG 075 48 18 W
DRAINAGE AREA, 90 900 km²

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 070 000	JUL	2 620 000
FEB	3 050 000	AUG	1 440 000
MAR	3 960 000	SEP	1 200 000
APR	5 080 000	OCT	3 260 000
MAY	5 140 000	NOV	3 810 000
JUN	2 730 000	DEC	5 270 000

TOTAL DISCHARGE, 40 600 000 dam³

OTTAWA RIVER AT BRITANNIA - STATION NO. 02KF005

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	58.136	58.357	58.170	58.708	59.227	58.901	58.366	57.944	57.763	57.861	58.598	58.930	1
2	58.141	58.374	58.251	58.678	59.252	58.586	58.349	57.901	57.774	57.940	58.630	59.046	2
3	58.112	58.399	58.550	58.617	59.223	58.501	58.363	57.885	57.747	57.934	58.583	59.080	3
4	58.136	58.428	58.152	58.739	59.166	58.506	58.397	57.876	57.730	57.951	58.582	59.183	4
5	58.121	58.428	58.175	58.848	59.102	58.514	58.270	57.911	57.726	57.871	58.574	59.172	5
6	58.196	58.430	58.136	58.827	58.993	58.416	58.234	57.926	57.740	57.874	58.570	59.116	6
7	58.192	58.434	58.099	58.823	58.850	58.367	58.198	57.912	57.759	57.938	58.528	59.064	7
8	58.231	58.438	58.088	58.804	58.692	58.153	58.105	57.900	57.743	58.000	58.553	58.989	8
9	58.250	58.442	58.083	58.794	58.608	58.093	58.096	57.851	57.739	58.150	58.535	58.981	9
10	58.233	58.441	58.104	58.758	58.572	58.106	58.044	57.781	57.725	58.226	58.483	59.000	10
11	58.226	58.442	58.077	58.803	58.568	58.138	58.105	57.774	57.691	58.261	58.480	58.979	11
12	58.185	58.434	58.077	58.806	58.384	58.122	58.198	57.775	57.693	58.310	58.468	58.949	12
13	58.242	58.423	58.107	58.737	58.382	58.106	58.146	57.770	57.721	58.323	58.455	58.900	13
14	58.274	58.424	58.369	58.705	58.416	58.077	58.156	57.784	57.728	58.229	58.358	58.768	14
15	58.326	58.356	58.460	58.649	58.322	58.136	58.153	57.787	57.752	58.192	58.333	58.727	15
16	58.310	58.339	58.437	58.649	58.331	58.124	58.132	57.777	57.735	58.225	58.336	58.679	16
17	58.306	58.369	58.508	58.670	58.344	58.079	58.150	57.792	57.743	58.283	58.260	58.660	17
18	58.363	58.287	58.647	58.664	58.423	58.041	58.140	57.825	57.751	58.345	58.232	58.623	18
19	58.290	58.323	58.757	58.643	58.514	58.012	58.116	57.796	57.747	58.381	58.256	58.615	19
20	58.291	58.342	58.703	58.619	58.539	58.016	58.131	57.752	57.759	58.374	58.359	58.613	20
21	58.326	58.230	58.726	58.651	58.612	58.057	58.103	57.747	57.733	58.408	58.413	58.586	21
22	58.298	58.187	58.825	58.670	58.868	58.065	58.066	57.776	57.757	58.438	58.455	58.572	22
23	58.359	58.262	58.875	58.723	58.967	58.085	58.106	57.784	57.785	58.548	58.472	58.582	23
24	58.315	58.311	58.886	58.826	58.998	57.988	58.125	57.775	57.770	58.656	58.468	58.612	24
25	58.358	58.284	58.879	58.878	58.991	58.110	58.147	57.775	57.751	58.675	58.551	58.628	25
26	58.322	58.253	58.894	58.973	58.962	58.189	58.133	57.802	57.774	58.682	58.543	58.563	26
27	58.351	58.186	58.875	59.035	58.948	58.081	58.076	57.778	57.802	58.652	58.568	58.547	27
28	58.289	58.205	58.878	59.048	58.850	58.062	58.011	57.763	57.797	58.715	58.592	58.553	28
29	58.348		58.798	59.117	58.818	58.243	57.962	57.784	57.803	58.687	58.633	58.531	29
30	58.374		58.750	59.150	58.747	58.327	57.962	57.760	57.825	58.674	58.751	58.577	30
31	58.385		58.721		58.671		57.943	57.745		58.644		58.587	31
MEAN	58.267	58.351	58.476	58.787	58.753	58.197	58.145	57.813	57.752	58.305	58.487	58.787	MEAN
MAX	58.385	58.442	58.894	59.150	59.252	58.601	58.397	57.944	57.825	58.715	58.751	59.183	MAX
MIN	58.112	58.186	58.077	58.617	58.322	57.988	57.943	57.745	57.691	57.861	58.232	58.531	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 58.344
MAXIMUM DAILY, 59.252 ON MAY 02
MINIMUM DAILY, 57.691 ON SEP 11
MAXIMUM INSTANTANEOUS
59.300 AT 08:09 EST ON MAY 02

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 21 54 N
LONG 075 48 18 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA,
90 900 km²

OTTAWA RIVER AT CHATS FALLS - STATION NO. 02KF009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	928	1 150	972	1 700	2 670	1 460	1 180	622	481	730	1 560	2 210	1
2	833	1 200	1 060	1 580	2 740	1 440	1 170	612	459	597	1 510	2 320	2
3	884	1 250	911	1 480	2 600	1 270	1 120	585	455	739	1 480	2 390	3
4	847	1 260	850	1 810	2 490	1 370	1 210	652	442	563	1 500	2 500	4
5	950	1 260	1 000	1 900	2 270	1 380	1 010	649	465	575	1 510	2 440	5
6	987	1 250	795	1 800	2 010	1 210	951	620	446	667	1 370	2 370	6
7	913	1 280	826	1 830	1 740	1 060	843	637	458	701	1 440	2 230	7
8	1 020	1 310	798	1 790	1 510	620	844	578	448	843	1 440	2 120	8
9	1 050	1 310	861	1 740	1 450	873	743	462	460	1 020	1 320	2 130	9
10	988	1 310	803	1 720	1 430	833	759	473	395	1 000	1 260	2 150	10
11	948	1 300	817	1 800	1 390	865	925	493	390	1 110	1 270	2 140	11
12	1 030	1 260	722	1 770	1 130	827	968	440	457	1 090	1 280	1 990	12
13	1 040	1 270	972	1 610	1 180	834	956	500	466	1 060	1 260	1 870	13
14	1 050	1 280	1 300	1 550	1 140	894	895	503	443	904	1 090	1 800	14
15	1 120	1 120	1 280	1 510	1 110	865	917	499	462	976	1 120	1 650	15
16	1 080	1 110	1 130	1 510	1 150	799	869	472	446	1 000	1 110	1 610	16
17	1 150	1 180	1 260	1 550	1 160	739	956	501	473	1 120	950	1 560	17
18	1 190	1 040	1 500	1 570	1 260	753	786	510	460	1 190	999	1 530	18
19	1 070	1 150	1 690	1 520	1 430	677	887	445	501	1 150	1 060	1 510	19
20	1 070	1 170	1 610	1 480	1 420	797	850	451	430	1 270	1 250	1 620	20
21	1 130	799	1 740	1 580	1 740	804	816	474	470	1 290	1 310	1 390	21
22	1 050	965	1 910	1 620	2 120	811	795	513	482	1 310	1 280	1 460	22
23	1 260	1 130	1 980	1 810	2 180	716	853	499	485	1 650	1 300	1 450	23
24	1 080	1 120	1 950	1 930	2 200	727	935	459	462	1 620	1 290	1 520	24
25	1 150	989	2 000	2 040	2 180	973	878	555	438	1 670	1 570	1 510	25
26	1 150	994	2 000	2 220	2 060	786	888	480	536	1 710	1 500	1 350	26
27	1 160	984	2 000	2 310	1 980	729	709	467	491	1 620	1 440	1 440	27
28	1 020	899	1 940	2 290	1 900	971	696	439	501	1 740	1 500	1 390	28
29	1 220		1 760	2 440	1 790	1 150	700	488	545	1 680	1 630	1 470	29
30	1 190		1 730	2 540	1 610	1 190	619	466	499	1 620	1 940	1 510	30
31	1 260		1 710		1 540		671	484		1 530		1 440	31
TOTAL	32 818	32 340	42 077	54 000	54 580	28 423	27 399	16 108	13 946	35 745	40 539	56 070	TOTAL
MEAN	1 060	1 160	1 360	1 800	1 760	947	884	520	465	1 150	1 350	1 810	MEAN
MAX	1 260	1 310	2 000	2 540	2 740	1 460	1 210	652	545	1 740	1 940	2 500	MAX
MIN	833	799	722	1 480	1 110	620	619	439	390	563	950	1 350	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 190
MAXIMUM DAILY, 2 740 ON MAY 02
MINIMUM DAILY, 390 ON SEP 11

DATA CONTRIBUTED BY -
ONTARIO HYDRO

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 45 28 30 N
LONG 076 14 21 W
DRAINAGE AREA, 89 600 km²

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 840 000	JUL	2 370 000
FEB	2 790 000	AUG	1 390 000
MAR	3 640 000	SEP	1 200 000
APR	4 670 000	OCT	3 090 000
MAY	4 720 000	NOV	3 500 000
JUN	2 460 000	DEC	4 840 000

TOTAL DISCHARGE, 37 500 000 dam³

OTTAWA RIVER AT CUMBERLAND - STATION NO. 02LB010

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.571	5.762	5.582	5.706	5.824	5.509	5.417	5.287	5.283	5.306	5.561	5.803	1
2	5.562	5.738	5.566	5.744	5.765	5.542	5.422	5.264	5.277	5.320	5.554	5.852	2
3	5.553	5.718	5.565	5.750	5.772	5.520	5.439	5.267	5.252	5.303	5.536	5.970	3
4	5.568	5.774	5.508	5.898	5.682	5.481	5.413	5.297	5.258	5.337	5.527	6.011	4
5	5.566	5.731	5.493	5.887	5.610	5.480	5.394	5.328	5.245	5.273	5.568	5.896	5
6	5.589	5.733	5.528	5.641	5.681	5.494	5.376	5.319	5.272	5.266	5.625	5.776	6
7	5.588	5.730	5.441	5.495	5.690	5.445	5.382	5.280	5.260	5.307	5.518	5.813	7
8	5.592	5.745	5.441	5.352	5.593	5.385	5.350	5.286	5.272	5.347	5.569	5.868	8
9	5.640	5.757	5.402	5.663	5.539	5.363	5.328	5.285	5.274	5.390	5.593	5.770	9
10	5.602	5.792	5.442	5.783	5.573	5.362	5.282	5.265	5.258	5.468	5.573	5.776	10
11	5.544	5.811	5.440	5.829	5.522	5.353	5.338	5.270	5.258	5.507	5.491	5.803	11
12	5.462	5.779	5.386	5.789	5.447	5.349	5.376	5.239	5.251	5.446	5.452	5.793	12
13	5.530	5.739	5.440	5.659	5.455	5.327	5.363	5.277	5.278	5.466	5.392A	5.777	13
14	5.592	5.781	5.730	5.622	5.471	5.321	5.356	5.269	5.295	5.454	5.389A	5.680	14
15	5.609	5.744	5.902	5.733	5.452	5.341	5.372	5.269	5.235	5.388	5.371A	5.770	15
16	5.657	5.692	6.001	5.759	5.479	5.336	5.353	5.283	5.235	5.353	5.374A	5.827	16
17	5.619	5.730	6.178	5.723	5.583	5.329	5.353	5.283	5.236	5.449	5.352E	5.800	17
18	5.669	5.682	6.249	5.702	5.485	5.338	5.354	5.291	5.234	5.487	5.340E	5.804	18
19	5.687	5.594	6.289	5.665	5.505	5.299	5.319	5.307	5.259	5.450	5.403A	5.798	19
20	5.705	5.624	6.193	5.692	5.588	5.324	5.379	5.293	5.240	5.487	5.421A	5.880	20
21	5.730	5.591	6.070	5.721	5.636	5.348	5.345	5.274	5.223	5.533	5.409	5.955	21
22	5.676	5.554	6.050	5.706	5.719	5.336	5.342	5.273	5.276	5.500	5.497	5.937	22
23	5.695	5.651	6.076	5.724	5.792	5.368	5.379	5.283	5.283	5.546	5.549	5.968	23
24	5.725	5.697	6.135	5.837	5.793	5.328	5.362	5.280	5.236	5.589	5.541	6.036	24
25	5.724	5.691	6.033	5.864	5.790	5.327	5.355	5.268	5.276	5.581	5.546	6.015	25
26	5.740	5.626	5.910	5.803	5.743	5.370	5.344	5.273	5.284	5.568	5.538	5.968	26
27	5.766	5.567	5.885	5.841	5.723	5.322	5.335	5.274	5.293	5.572	5.538	5.929	27
28	5.770	5.598	5.883	5.898	5.678	5.309	5.316	5.264	5.296	5.619	5.654	5.904	28
29	5.765		5.774	5.909	5.662	5.380	5.299	5.253	5.298	5.591	5.629	5.907	29
30	5.806		5.707	5.884	5.625	5.398	5.316	5.263	5.347	5.600	5.700	5.995	30
31	5.801		5.679		5.564		5.284	5.272		5.574		5.949	31
MEAN	5.648	5.701	5.774	5.749	5.627	5.379	5.356	5.279	5.266	5.454	5.510	5.872	MEAN
MAX	5.806	5.811	6.289	5.909	5.824	5.542	5.438	5.328	5.347	5.619	5.700	6.036	MAX
MIN	5.462	5.554	5.386	5.495	5.447	5.299	5.282	5.239	5.223	5.266	5.340	5.680	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MEAN, 5.551
MAXIMUM DAILY, 6.289 ON MAR 19
MINIMUM DAILY, 5.223 ON SEP 21
MAXIMUM INSTANTANEOUS,
6.301 AT 06:48 EST ON MAR 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 31 17 N
LONG 075 24 45 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 36.000 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

OTTAWA RIVER AT DES JOACHIMS - STATION NO. 02KA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	529	1 200	754	875	1 600	1 030	1 170	615	380	464	1 380	1 880	1
2	798	1 170	705	1 080	1 530	1 030	1 180	545	408	547	1 340	1 880	2
3	731	931	576	1 070	1 400	1 010	616	556	422	665	1 240	1 880	3
4	809	910	611	808	1 170	1 030	671	439	383	640	1 180	1 790	4
5	863	1 070	669	989	950	872	689	356	355	771	1 170	1 700	5
6	815	1 040	664	1 030	913	439	781	392	329	861	1 100	1 700	6
7	747	1 060	644	1 010	903	593	713	480	451	936	1 130	1 690	7
8	752	1 110	679	911	895	654	622	457	420	760	1 100	1 790	8
9	749	1 090	583	914	792	612	784	522	519	943	1 070	1 910	9
10	758	903	542	979	659	562	886	509	454	935	1 000	1 800	10
11	837	1 020	494	809	615	463	840	439	401	774	805	1 400	11
12	873	903	609	876	687	609	829	305	439	870	807	1 290	12
13	903	917	831	762	663	675	903	425	412	954	834	1 280	13
14	871	903	512	842	809	617	698	451	413	962	944	1 260	14
15	764	903	594	797	805	673	803	509	490	1 000	829	1 280	15
16	786	926	866	838	775	573	739	419	475	857	853	1 210	16
17	693	854	931	854	921	535	668	488	490	949	972	1 240	17
18	888	903	1 070	827	1 010	559	656	393	469	957	976	1 240	18
19	933	632	1 090	968	1 380	589	702	381	415	1 060	922	1 170	19
20	890	960	1 180	800	1 770	607	741	533	488	1 540	972	1 100	20
21	946	743	1 170	1 130	1 830	436	638	439	435	1 590	891	875	21
22	815	809	1 170	1 260	1 630	591	750	394	428	1 520	936	1 140	22
23	859	707	1 180	1 160	1 360	571	715	369	399	1 480	1 110	1 140	23
24	799	734	1 180	1 300	1 570	619	553	339	413	1 490	1 370	1 090	24
25	847	778	1 180	1 270	1 520	650	606	451	424	1 610	962	1 020	25
26	886	730	1 180	1 240	1 370	616	591	311	473	1 650	1 040	1 060	26
27	1 060	736	1 180	1 460	1 260	989	615	580	451	1 530	1 010	1 120	27
28	880	793	875	1 830	1 570	1 170	352	400	585	1 390	1 340	965	28
29	782		1 100	1 890	1 270	1 170	531	353	487	1 370	2 030	984	29
30	872		966	1 720	1 030	1 170	380	450	482	1 360	2 150	1 010	30
31	1 020		875		1 040		535	427		1 370		936	31
TOTAL	25 755	25 435	26 660	32 299	35 597	21 714	21 954	13 727	13 190	33 805	33 463	41 830	TOTAL
MEAN	831	908	860	1 080	1 150	724	708	443	440	1 090	1 120	1 350	MEAN
MAX	1 060	1 200	1 180	1 890	1 830	1 170	1 180	615	585	1 650	2 150	1 910	MAX
MIN	529	632	494	762	615	436	352	305	329	464	805	875	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MEAN, 892
MAXIMUM DAILY, 2 150 ON NOV 30
MINIMUM DAILY, 305 ON AUG 12

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 46 11 00 N
LONG 077 41 52 W
DRAINAGE AREA, 57 500 km²

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 230 000	JUL	1 900 000
FEB	2 400 000	AUG	1 190 000
MAR	2 300 000	SEP	1 140 000
APR	2 790 000	OCT	2 920 000
MAY	3 080 000	NOV	2 890 000
JUN	1 880 000	DEC	3 610 000

TOTAL DISCHARGE, 28 100 000 dam³

DATA CONTRIBUTED BY -
ONTARIO HYDRO

OTTAWA RIVER AT LA CAVE RAPIDS - STATION NO. 02JE012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	540	937	607	740	1 170	878	1 010	450	432	480	1 130	1 340	
2	722	945	602	784	1 130	868	655	524	395	479	1 180	1 350	
3	696	957	579	732	1 050	869	629	498	417	481	1 170	1 340	
4	779	937	607	804	921	710	677	376	436	501	906	1 370	
5	730	951	582	701	895	672	673	414	344	815	1 070	1 410	
6	701	869	549	725	745	489	699	377	415	851	1 120	1 350	
7	669	970	523	732	633	450	629	465	427	634	1 050	1 410	
8	718	908	485	687	654	432	639	407	376	719	1 020	1 400	
9	721	895	551	765	521	597	727	437	425	748	927	1 350	
10	763	884	521	656	503	373	707	478	420	729	959	1 250	1
11	753	855	458	710	473	471	850	357	372	759	625	1 210	1
12	814	828	494	665	515	481	683	287	426	762	837	1 200	1
13	865	852	506	674	540	469	825	390	403	953	899	1 160	1
14	718	870	469	688	544	496	701	436	412	701	653	1 150	1
15	780	824	571	679	585	542	666	426	426	894	695	1 060	1
16	705	869	495	691	696	508	632	409	424	819	936	1 060	1
17	716	740	654	701	710	324	635	398	422	866	895	1 160	1
18	866	727	661	693	800	506	644	398	403	912	728	1 040	1
19	829	722	743	640	1 130	460	698	393	370	992	779	1 060	1
20	849	724	832	729	1 310	548	684	465	393	1 310	855	1 020	2
21	857	604	783	770	1 300	498	664	390	420	1 310	772	943	2
22	860	707	875	753	1 270	525	621	424	394	1 290	776	851	2
23	772	684	809	851	1 300	421	611	399	393	1 290	928	1 020	2
24	714	641	833	927	1 280	467	550	396	397	1 280	771	969	2
25	798	688	775	988	1 240	513	549	383	407	1 280	859	941	2
26	884	570	836	1 020	1 150	561	548	366	480	1 280	830	950	2
27	831	603	832	1 050	1 050	860	549	431	480	1 180	880	887	2
28	804	644	832	1 110	1 060	1 010	420	397	481	1 200	1 110	983	2
29	919		744	1 170	1 050	1 010	401	389	481	1 230	1 410	934	2
30	880		788	1 170	1 030	1 010	467	440	480	1 250	1 340	925	2
31	934		768		901		551	437		1 220		916	1
TOTAL	24 187	22 405	20 314	24 005	28 156	18 018	19 990	12 837	12 551	29 235	28 110	35 009	TO
MEAN	780	800	655	800	908	601	645	414	418	943	937	1 130	ME
MAX	934	970	875	1 170	1 310	1 010	1 010	524	481	1 310	1 410	1 410	MA
MIN	540	570	458	640	473	324	401	287	344	479	625	851	MI

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MEAN, 753
MAXIMUM DAILY, 1 410 ON NOV 29
MINIMUM DAILY, 287 ON AUG 12

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 46 22 40 N
LONG 078 43 24 W
DRAINAGE AREA, 47 900 km²

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 090 000	JUL	1 730 000
FEB	1 940 000	AUG	1 110 000
MAR	1 760 000	SEP	1 080 000
APR	2 070 000	OCT	2 530 000
MAY	2 430 000	NOV	2 430 000
JUN	1 560 000	DEC	3 020 000

TOTAL DISCHARGE, 23 800 000 dam³

DATA CONTRIBUTED BY - ONTARIO HYDRO

REGULATED

OTTAWA RIVER AT MATTAWA - STATION NO. 02JE013

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	52.658	52.960E	51.695	51.630	52.741	52.920	53.011	52.477	52.372	52.463	53.098	53.579
2	52.801	52.875E	51.593	51.737	52.675	52.894	52.650	52.438	52.400	52.455	53.083	53.524
3	52.806	52.870E	51.483	51.669	52.523	52.896	52.492	52.358	52.402	52.428	53.033	53.527
4	52.875	52.880E	51.612	51.654	52.274	52.755	52.565	52.292	52.416	52.379	52.693	53.536
5	52.819	52.940E	51.613	51.662	52.395	52.534	52.630	52.383	52.366	52.547	52.812	53.383
6	52.748	52.800E	51.498	51.621	52.213	52.449	52.674	52.364	52.417	52.767	52.919	53.498
7	52.707	52.840E	51.396	51.622E	52.117	52.498	52.633	52.454	52.396	52.432	52.897	53.663
8	52.788	52.750E	51.335	51.520E	52.133	52.452	52.694	52.391	52.352	52.445	52.880	53.700
9	52.799	52.630E	51.380	51.670E	52.061	52.520	52.713	52.415	52.473	52.416	52.786	53.570
10	52.837	52.615E	51.329	51.504	52.062	52.383	52.693	52.437	52.374	52.343	52.788	53.305
11	52.839	52.590E	51.276	51.563	52.045	52.462	52.796	52.332	52.355	52.380	52.528	53.146
12	52.796	52.480E	51.324	51.494	52.033	52.500	52.654	52.259	52.382	52.428	52.666	53.240
13	52.852	52.550E	51.267	51.482	52.370	52.438	52.738	52.375	52.376	52.722	52.835	53.202
14	52.732	52.555E	51.183	51.510	52.373	52.528	52.684	52.419	52.407	52.433	52.644	53.214
15	52.763	52.550E	51.402	51.516	52.387	52.551	52.662	52.391	52.369	52.660	52.609	53.147
16	52.655	52.605E	51.333	51.523	52.604	52.555	52.602	52.424	52.416	52.582	52.857	53.089
17	52.703	52.380E	51.536	51.604	52.637	52.460	52.630	52.382	52.447	52.679	52.941	53.221
18	52.825	52.360E	51.655	51.575	52.719	52.535	52.636	52.369	52.375	52.808	52.816	53.150
19	52.769	52.363E	51.724	51.475E	53.278	52.548	52.666	52.415	52.392	52.974	52.834	53.083
20	52.776	52.365E	51.907	51.603E	53.565	52.592	52.693	52.473	52.342	53.444	52.887	53.062
21	52.748	52.150	51.799	51.762E	53.485	52.556	52.683	52.380	52.392	53.499	52.884	52.985
22	52.782	52.166	51.966	51.714E	53.395	52.603	52.600E	52.384	52.361	53.441	52.861	52.929
23	52.760E	52.126	51.850	51.871E	53.420	52.564	52.500E	52.371	52.334	53.485	53.075	53.027
24	52.745E	52.079	51.877	52.141E	53.370	52.518	52.410E	52.392	52.317	53.517	52.817	52.984
25	52.750E	52.132	51.750	52.347	53.317	52.523	52.410E	52.369	52.375	53.539	52.819	52.966
26	52.830E	51.877	51.893	52.500	53.178	52.550	52.400E	52.406	52.448	53.553	52.829	52.980
27	52.820E	51.837	51.790	52.672	53.093	52.774	52.370E	52.416	52.499	53.244	52.924	52.858
28	52.680E	51.825	51.849	52.764	53.059	52.983	52.350E	52.342	52.430	53.235	53.286	52.974
29	52.660E		51.685	52.808	53.028	53.003	52.400E	52.307	52.427	53.287	53.879	52.961
30	52.900E		51.715	52.759	53.008	53.011	52.470E	52.330	52.445	53.276	53.721	52.922
31	52.920E		51.688		52.942		52.558	52.396		53.243		52.949
MEAN	52.786	52.470	51.594	51.832	52.732	52.619	52.602	52.385	52.395	52.874	52.923	53.206
MAX	52.920	52.960	51.966	52.808	53.565	53.011	53.011	52.477	52.499	53.553	53.879	53.700
MIN	52.655	51.825	51.183	51.475	52.045	52.383	52.350	52.259	52.317	52.343	52.528	52.858

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 52.536
MAXIMUM DAILY, 53.879 ON NOV 29
MINIMUM DAILY, 51.183 ON MAR 14
MAXIMUM INSTANTANEOUS,
53.916 AT 14:56 EST ON NOV 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 19 00 N
LONG 078 42 30 W

A - MANUAL GAUGE
E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 100.000 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

OTTAWA RIVER AT PEMBROKE - STATION NO. 02KC013

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	111.280	111.680	111.460	111.700	112.300	111.770	111.760	111.230	111.090	111.200	111.960	112.390	1
2	111.330	111.740	111.440	111.700	112.250	111.750	111.770	111.290	111.090	111.210	111.960	112.350	2
3	111.380	111.700	111.400	111.780	112.170	111.770	111.600	111.310	111.060	111.230	111.940	112.310	3
4	111.440	111.660	111.370	111.760	112.090	111.750	111.490	111.220	111.080	111.280	111.900	112.320	4
5	111.500	111.650	111.340	111.760	111.940	111.690	111.440	111.140	111.080	111.370	111.870	112.250	5
6	111.500	111.670	111.380	111.830	111.830	111.530	111.440	111.120	111.040	111.440	111.860	112.210	6
7	111.480	111.700	111.380	111.830	111.760	111.390	111.430	111.100	111.090	111.530	111.810	112.190	7
8	111.450	111.720	111.350	111.800	111.710	111.370	111.380	111.130	111.060	111.500	111.810	112.200	8
9	111.450	111.730	111.330	111.760	111.640	111.380	111.460	111.120	111.010	111.550	111.790	112.250	9
10	111.470	111.670	111.310	111.790	111.570	111.360	111.490	111.140	111.100	111.580	111.710	112.290	10
11	111.490	111.630	111.260	111.730	111.550	111.320	111.510	111.150	111.080	111.560	111.690	112.160	11
12	111.530	111.640	111.260	111.710	111.450	111.320	111.500	111.120	111.070	111.540	111.610	112.010	12
13	111.540	111.610	111.350	111.690	111.450	111.340	111.530	111.040	111.070	111.590	111.580	111.990	13
14	111.550	111.600	111.340	111.680	111.520	111.320	111.460	111.070	111.050	111.610	111.560	111.950	14
15	111.540	111.590	111.310	111.680	111.530	111.340	111.480	111.110	111.130	111.630	111.540	111.930	15
16	111.530	111.590	111.400	111.680	111.530	111.320	111.450	111.100	111.130	111.610	111.580	111.920	16
17	111.480	111.580	111.580	111.700	111.600	111.290	111.400	111.110	111.130	111.610	111.640	111.890	17
18	111.510	111.560	111.660	111.680	111.680	111.280	111.390	111.120	111.160	111.630	111.670	111.900	18
19	111.590	111.480	111.740	111.710	111.820	111.300	111.390	111.090	111.090	111.680	111.670	111.910	19
20	111.600	111.530	111.790	111.710	111.990	111.320	111.400	111.100	111.230	111.790	111.680	111.870	20
21	111.620	111.530	111.830	111.730	112.210	111.340	111.400	111.120	111.090	111.960	111.670	111.810	21
22	111.590	111.530	111.840	111.870	112.220	111.330	111.410	111.120	111.120	112.040	111.680	111.750	22
23	111.570	111.500	111.870	111.920	112.180	111.320	111.470	111.120	111.120	112.020	111.720	111.800	23
24	111.540	111.450	111.880	111.980	112.160	111.360	111.400	111.070	111.110	112.020	111.840	111.790	24
25	111.540	111.460	111.890	112.030	112.140	111.370	111.350	111.090	111.080	112.050	111.830	111.760	25
26	111.560	111.470	111.900	112.050	112.100	111.340	111.330	111.050	111.120	112.090	111.780	111.750	26
27	111.610	111.460	111.880	112.090	112.020	111.480	111.320	111.080	111.130	112.080	111.780	111.770	27
28	111.620	111.460	111.830	112.230	111.990	111.610	111.260	111.110	111.220	112.040	111.860	111.740	28
29	111.580		111.770	112.340	111.970	111.690	111.180	111.120	111.210	111.980	112.070	111.730	29
30	111.570		111.900	112.360	111.900	111.740	111.190	111.100	111.210	111.960	112.320	111.740	30
31	111.590		111.740		111.810		111.200	111.080		111.960		111.670	31
MEAN	111.517	111.592	111.570	111.843	111.874	111.450	111.428	111.125	111.108	111.688	111.779	111.987	MEAN
MAX	111.620	111.740	111.900	112.360	112.300	111.770	111.770	111.310	111.230	112.090	112.320	112.390	MAX
MIN	111.280	111.450	111.260	111.680	111.450	111.280	111.180	111.040	111.010	111.200	111.540	111.670	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MEAN, 111.580
MAXIMUM DAILY, 112.390 ON DEC 01
MINIMUM DAILY, 111.010 ON SEP 09

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 49 45 N
LONG 077 07 02 W
DATA CONTRIBUTED BY -
ONTARIO HYDRO

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

OTTAWA RIVER AT SANDPOINT - STATION NO. 02KC016

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	74.170	74.130	74.160	74.130	74.600	74.140	74.080	74.110	74.140	74.190	74.190	74.300	1
2	74.160	74.150	74.130	74.090	74.610	74.070	74.120	74.120	74.140	74.150	74.150	74.380	2
3	74.160	74.160	74.110	74.130	74.540	74.080	74.140	74.140	74.110	74.170	74.180	74.460	3
4	74.100	74.180	74.160	74.160	74.480	74.090	74.130	74.130	74.120	74.130	74.190	74.490	4
5	74.170	74.180	74.120	74.160	74.370	74.040	74.140	74.120	74.130	74.170	74.190	74.460	5
6	74.140	74.140	74.090	74.170	74.240	74.070	74.150	74.120	74.080	74.140	74.160	74.410	6
7	74.120	74.090	74.150	74.160	74.180	74.090	74.110	74.130	74.090	74.150	74.200	74.320	7
8	74.150	74.070	74.130	74.160	74.170	74.150	74.090	74.110	74.100	74.190	74.190	74.280	8
9	74.110	74.100	74.150	74.130	74.150	74.150	74.140	74.110	74.070	74.170	74.170	74.290	9
10	74.110	74.090	74.090	74.170	74.130	74.160	74.140	74.140	74.090	74.140	74.210	74.300	10
11	74.160	74.070	74.080	74.180	74.080	74.170	74.170	74.130	74.090	74.110	74.210	74.320	11
12	74.170	74.110	74.120	74.190	74.160	74.170	74.160	74.120	74.130	74.110	74.200	74.290	12
13	74.170	74.100	74.140	74.180	74.150	74.160	74.130	74.160	74.130	74.100	74.130	74.190	13
14	74.150	74.040	74.050	74.170	74.110	74.180	74.100	74.140	74.090	74.090	74.100	74.190	14
15	74.130	74.050	74.030	74.180	74.180	74.180	74.150	74.130	74.060	74.160	74.070	74.160	15
16	74.140	74.090	74.110	74.180	74.130	74.180	74.120	74.150	74.120	74.180	74.050	74.160	16
17	74.160	74.050	74.190	74.180	74.130	74.160	74.150	74.160	74.160	74.160	74.120	74.170	17
18	74.060	74.080	74.210	74.160	74.150	74.160	74.140	74.130	74.130	74.060	74.120	74.160	18
19	74.110	74.070	74.180	74.140	74.070	74.130	74.150	74.130	74.100	74.050	74.150	74.180	19
20	74.140	74.030	74.190	74.160	74.080	74.140	74.100	74.140	74.080	74.020	74.160	74.230	20
21	74.120	74.080	74.200	74.170	74.180	74.170	74.100	74.140	74.110	74.010	74.190	74.170	21
22	74.150	74.170	74.220	74.170	74.260	74.160	74.120	74.140	74.120	74.050	74.150	74.160	22
23	74.100	74.170	74.220	74.170	74.300	74.140	74.120	74.140	74.110	74.220	74.120	74.170	23
24	74.130	74.130	74.200	74.180	74.310	74.150	74.140	74.120	74.130	74.200	74.140	74.170	24
25	74.080	74.100	74.210	74.230	74.300	74.140	74.130	74.110	74.160	74.200	74.160	74.110	25
26	74.160	74.110	74.210	74.320	74.270	74.060	74.160	74.100	74.190	74.190	74.170	74.130	26
27	74.130	74.140	74.220	74.380	74.230	74.110	74.110	74.120	74.200	74.200	74.170	74.170	27
28	74.140	74.110	74.130	74.390	74.210	74.140	74.110	74.100	74.170	74.220	74.180	74.150	28
29	74.100		74.120	74.420	74.170	74.080	74.100	74.150	74.140	74.210	74.160	74.180	29
30	74.100		74.140	74.510	74.170	74.070	74.130	74.140	74.130	74.200	74.200	74.200	30
31	74.080		74.160		74.170		74.110	74.150		74.190		74.180	31
MEAN	74.131	74.107	74.149	74.204	74.235	74.130	74.127	74.130	74.118	74.146	74.159	74.243	MEAN
MAX	74.170	74.180	74.220	74.510	74.610	74.180	74.170	74.160	74.190	74.220	74.210	74.490	MAX
MIN	74.060	74.030	74.030	74.090	74.070	74.040	74.080	74.100	74.060	74.010	74.050	74.110	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MEAN, 74.157
MAXIMUM DAILY, 74.610 ON MAY 02
MINIMUM DAILY, 74.010 ON OCT 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 29 15 N
LONG 076 26 05 W
DATA CONTRIBUTED BY -
ONTARIO HYDRO

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

OTTAWA RIVER BELOW TEMISCAMING - STATION NO. 02JE024

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.885	9.427	6.659	6.833	9.691	9.567	9.030	9.549	9.720	9.122	9.945A	9.934	1
2	9.819	9.347	6.644	6.788	9.806	9.624	9.090	9.356	9.592	9.155	9.923	9.921	2
3	9.816	9.222	6.724	6.791	9.809	9.582	9.518	9.109	9.668	9.274	9.666	9.921	3
4	9.717	9.110	6.690	6.825	9.848	9.481	9.635	9.194	9.528	9.580	9.945	10.02	4
5	9.719	8.950	6.584	6.745	9.859	9.566	9.671	9.234	9.472	9.853	10.01	9.931	5
6	9.768	8.914	6.547	6.815	9.921	9.489	9.671	9.370	9.484	9.327	9.900	10.02	6
7	9.851	8.688	6.575	6.813	9.809	9.520	9.770	9.315	9.393	9.490	9.828	10.04	7
8	9.844	8.544	6.608	6.842	9.884	9.549	9.922	9.350	9.434	9.708	9.708	9.918	8
9	9.795	8.451	6.677	6.770	9.722	9.548	9.882	9.326	9.366	9.709	9.548	9.887	9
10	9.711	8.302	6.639	6.677	9.751	9.450	9.995	9.191	9.286	9.703	9.389	9.979	10
11	9.684	8.198	6.610	6.777	9.813	9.589	9.793	9.310	9.321	9.711	9.377	10.02	11
12	9.606	8.136	6.642	6.752	9.905	9.556	9.968	9.533	9.275	9.827	9.638	9.997	12
13	9.485	7.888	6.632	6.791	9.871	9.653	9.798	9.291	9.220	9.558	9.426	9.980	13
14	9.541	7.728	6.646	6.758	9.853	9.522	9.767	9.787	9.210	9.816	9.544	9.885	14
15	9.551	7.449	6.656	6.752	9.958	9.385	9.731	9.764	9.210	9.694	9.851	9.814	15
16	9.552	7.235	6.688	6.735	9.945	9.308	9.836	9.701	9.184	9.636	9.703	9.897	16
17	9.694	7.173	6.855	6.717	9.878	9.340	9.833	9.764	9.140	9.594	9.500	9.867	17
18	9.640	7.180	6.858	6.706	9.903	9.597	9.862	9.773	9.093	9.598	9.657	9.763	18
19	9.709	7.058	6.960	6.720	9.994	9.507	9.795	9.828	9.197	9.743	9.783	9.822	19
20	9.732	6.954	6.894	6.816	10.03	9.530	9.713	9.735	9.184	10.03	9.705	9.647	20
21	9.697	7.020	6.860	6.866	9.948	9.387	9.645	9.758	9.121	10.01	9.718	9.657	21
22	9.634	6.925	6.806	6.985	10.03	9.311	9.597	9.739	9.120	10.03	9.876	9.878	22
23	9.697	6.828	6.768	7.207	10.06	9.366	9.317	9.682	9.108	10.01	9.681	9.790	23
24	9.640	6.840	6.828	7.368	10.04	9.668	9.293	9.777	9.122	9.991	9.807	9.738	24
25	9.698	6.743	6.880	7.559	10.02	9.745	9.269	9.807	9.187	10.03	9.767	9.735	25
26	9.591	6.783	6.853	8.014	9.871	9.869	9.252	9.809	9.167	9.936	9.826	9.741	26
27	9.626	6.765	6.911	8.601	9.848	9.523	9.211	9.870	9.139	9.981	9.754	9.866	27
28	9.628	6.743	6.776	9.081	9.944	9.241	9.451	9.826	9.109	9.989	9.845	9.774	28
29	9.565		6.818	9.300	9.933	9.170	9.791	9.814	9.093	10.01	9.967	9.757	29
30	9.605		6.863	9.508	9.684	9.111	9.725	9.762	9.101	10.02	9.945	9.789	30
31	9.529		6.819		9.601		9.683	9.688		9.980A		9.879	31
MEAN	9.678	7.807	6.741	7.197	9.879	9.492	9.636	9.597	9.275	9.747	9.741	9.867	MEAN
MAX	9.885	9.427	6.960	9.508	10.06	9.869	9.995	9.870	9.720	10.03	10.01	10.04	MAX
MIN	9.485	6.743	6.547	6.677	9.601	9.111	9.030	9.109	9.093	9.122	9.377	9.647	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 9.066
MAXIMUM DAILY, 10.060 ON MAY 23
MINIMUM DAILY, 6.547 ON MAR 06
MAXIMUM INSTANTANEOUS,
10.232 AT 07:10 EST ON JUL 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 42 26 N
LONG 079 06 10 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 167.600 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

OTTAWA RIVER NEAR WESTMEATH - STATION NO. 02KC005

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.119	2.192	2.054	1.816	3.010	1.915	1.969	1.646	1.514	1.713	2.120	2.738	1
2	1.982	2.264	2.072	1.715	2.946	1.867	1.997	1.651	1.489	1.668	2.099	2.870	2
3	1.950	2.283	2.035	1.725	2.833	1.875	1.980	1.699	1.474	1.653	2.072	2.886	3
4	2.002	2.287	1.963	1.829	2.685	1.858	1.860	1.730	1.534	1.673	2.032	2.845	4
5	2.094	2.238	1.910	1.898	2.486	1.863	1.849	1.690	1.548	1.746	1.987	2.777	5
6	2.161	2.219	1.899	1.964	2.248A	1.888	1.802	1.611	1.534	1.839	2.077	2.690	6
7	2.185	2.190	1.959	2.035	2.017	1.794	1.778	1.523	1.503	1.943	2.089	2.612	7
8	2.177	2.203	1.984	2.063	1.867	1.904	1.825	1.463	1.501	1.972	2.055	2.558	8
9	2.162	2.237	1.967	2.031	1.799	1.951	1.852	1.449	1.525	1.985	2.033	2.561	9
10	2.169	2.260	1.945	1.987	1.768	1.860	1.882	1.486	1.579	1.980	1.985	2.606	10
11	2.186	2.210	1.914	1.961	1.758	1.788	1.875	1.525	1.589	1.936	1.904	2.583	11
12	2.226	2.153	1.869	1.889	1.774	1.807	1.872	1.552	1.542	1.888	1.815	2.413	12
13	2.268	2.119	1.877	1.819	1.718	1.840	1.884	1.539	1.532	1.861	1.814	2.258	13
14	2.253	2.086	1.948	1.750	1.679	1.851	1.903	1.497	1.580	1.885	1.820	2.192	14
15	2.209	2.059	1.985	1.719	1.731	1.852	1.881	1.471	1.563	1.918	1.840	2.117	15
16	2.177	2.084	2.039	1.709	1.795	1.859	1.871	1.473	1.519	1.956	1.829	2.058	16
17	2.142	2.091	2.176	1.701	1.891	1.843	1.828	1.476	1.478	1.968	1.878	2.015	17
18	2.107	2.048	2.237	1.716	2.011	1.826	1.779	1.486	1.523	1.979	1.973	2.039	18
19	2.126	2.022	2.358	1.724	2.066	1.810	1.774	1.489	1.578	1.949	2.047	2.078	19
20	2.190	1.989	2.404	1.756	2.245	1.812	1.794	1.468	1.610	2.002	2.085	2.153	20
21	2.220	2.003	2.334	1.784	2.411	1.836	1.805	1.447	1.643	2.171	2.074	2.187	21
22	2.260	2.112	2.295	1.890	2.513	1.867	1.815	1.484	1.641	2.261	2.064	2.134	22
23	2.257	2.159	2.277	2.089	2.539	1.907	1.842	1.532	1.619	2.247	2.076	2.097	23
24	2.210	2.123	2.292	2.236	2.513	1.862	1.807	1.567	1.563	2.204	2.083	2.115	24
25	2.164	2.063	2.301	2.371	2.474	1.844	1.730	1.532	1.533	2.192	2.089	2.131	25
26	2.155	2.043	2.286	2.454	2.417	1.851	1.684	1.433	1.536	2.216	2.068	2.105	26
27	2.178	2.053	2.267	2.518	2.328	1.867	1.779	1.403	1.564	2.258	2.046	2.114	27
28	2.252	2.043	2.208	2.629	2.254	1.988	1.822	1.476	1.606	2.248	2.064	2.177	28
29	2.224		2.088	2.811	2.184	2.040	1.785	1.519	1.680	2.158	2.206	2.156	29
30	2.213		1.999	2.972	2.109	1.967	1.724	1.533	1.737	2.156	2.492	2.135	30
31	2.179		1.924		2.000		1.667	1.530		2.116		2.176	31
MEAN	2.165	2.133	2.092	2.019	2.196	1.870	1.829	1.528	1.561	1.993	2.027	2.341	MEAN
MAX	2.268	2.287	2.404	2.972	3.010	2.040	1.997	1.730	1.737	2.261	2.492	2.886	MAX
MIN	1.950	1.889	1.869	1.701	1.679	1.788	1.667	1.403	1.474	1.653	1.814	2.015	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 1.980
MAXIMUM DAILY, 3.010 ON MAY 01
MINIMUM DAILY, 1.403 ON AUG 27
MAXIMUM INSTANTANEOUS,
3.020 AT 00:51 EST ON MAY 01

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 53 42 N
LONG 076 54 42 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 104.546 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

OUSE RIVER NEAR WESTWOOD - STATION NO. 02HJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.02B	2.12B	2.20B	5.05	6.41	2.79	1.66	0.529	0.110	0.246	0.717	1.68	1
2	1.13B	1.83B	2.05B	5.67	5.62	2.61	1.64	0.439	0.102	0.255	0.682	1.45	2
3	1.24	1.72B	1.90B	9.80	5.09	2.68	1.47	0.351	0.133	0.232	0.628	1.29	3
4	1.37	1.88B	1.78B	13.1	4.70	2.75	1.31	0.328	0.128	0.226	0.796	1.79	4
5	1.87	1.82B	1.67B	16.2	4.63	2.58	1.19	0.316	0.125	0.346	0.936	2.06	5
6	1.98	1.74B	1.59B	15.6	4.71	2.41	1.06	0.349	0.139	0.282	1.45	2.28	6
7	1.76	1.67B	1.52B	13.4	5.25	2.28	0.917	0.328	0.142	0.243	1.60	2.22	7
8	1.65	1.70B	1.48B	11.2	7.46	2.15	0.873	0.313	0.130	0.223	1.55	2.22	8
9	1.55	4.44	1.44B	9.13	8.41	2.25	1.13	0.234	0.118	0.316	1.41	2.29	9
10	1.56	10.6	1.50B	9.26	8.04	2.95	1.28	0.236	0.140	0.568	1.43	2.36	10
11	1.64	3.86	1.81B	12.2	7.85	3.01	1.08	0.248	0.132	0.813	1.41	2.20	11
12	1.64	2.88	21.6 B	12.7	6.71	2.66	0.932	0.236	0.105	0.956	1.32	2.07	12
13	1.37B	2.88	30.2 B	11.8	5.96	2.37	0.866	0.360	0.108	1.14	1.08	2.12	13
14	1.30B	4.35	24.9 B	10.6	5.44	2.22	0.873	0.451	0.103	1.14	1.13	1.97	14
15	1.25B	2.73	21.3 B	10.1	5.04	2.17	0.906	0.432	0.106	1.09	1.15	2.01	15
16	1.21B	2.62	18.3 B	10.1	4.70	2.05	1.07	0.419	0.103	0.954	1.23	1.93	16
17	1.55B	2.70B	16.5	10.1	5.36	1.84	1.06	0.368	0.097	0.872	1.36	1.70	17
18	10.2	2.25B	14.7	9.54	7.31	1.65	0.971	0.334	0.095	0.923	1.23	2.04	18
19	10.2	2.00B	12.5	8.45	7.26	1.58	0.825	0.321	0.098	1.26	1.16	2.57	19
20	4.07	1.90B	9.80	7.81	7.40	1.48	0.761	0.278	0.100	1.21	1.16	2.32	20
21	2.80B	1.82B	7.34	8.50	9.65	1.46	0.720	0.253	0.100	1.14	1.18	2.53	21
22	2.23B	1.95B	7.92	8.97	8.79	1.67	0.658	0.246	0.121	1.03	1.11	3.33	22
23	2.04B	5.80	7.00B	8.51	8.02	1.75	1.14	0.369	0.120	0.910	1.25	7.24	23
24	2.10B	6.04	6.60B	7.74	6.42	1.74	1.18	0.502	0.102	0.877	1.27	8.90B	24
25	2.51	4.20B	6.80B	9.84	5.31	1.68	1.01	0.250	0.113	0.803	1.26	5.39B	25
26	3.55	3.20B	6.00B	11.2	4.38	1.48	0.804	0.172	0.109	0.742	1.30	10.8 B	26
27	3.24	2.70B	5.25B	10.5	4.27	1.49	0.680	0.166	0.[illegible]	0.683	1.46	12.4 B	27
28	2.90B	2.40B	4.80B	9.67	3.87	1.38	0.611	0.157	0.[illegible]	0.750	1.51	11.8 B	28
29	2.47B		4.60B	9.36	3.48	1.32	0.551	0.131	0.131	0.841	1.56	11.5 B	29
30	2.20B		4.53	7.18	3.25	1.49	0.471	0.162	0.147	0.792	1.54	16.5	30
31	2.08B		4.67		3.03		0.503	0.131		0.748		17.1	31
TOTAL	77.68	85.82	254.35	302.28	183.82	61.94	30.202	9.409	3.565	22.611	36.869	148.06	TOTAL
MEAN	2.51	3.07	8.20	10.1	5.93	2.06	0.974	0.304	0.119	0.729	1.23	4.78	MEAN
MAX	10.2	10.6	30.2	16.2	9.65	3.01	1.66	0.529	0.158	1.26	1.60	17.1	MAX
MIN	1.02	1.67	1.44	5.05	3.03	1.32	0.471	0.131	0.095	0.223	0.628	1.29	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.33
MAXIMUM DAILY, 30.2B ON MAR 13
MINIMUM DAILY, 0.095 ON SEP 18
MAXIMUM INSTANTANEOUS,
38.8B AT 22:09 EST ON MAR 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 17 50 N
LONG 078 02 50 W
DRAINAGE AREA, 282 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 710	JUL	2 610
FEB	7 410	AUG	813
MAR	22 000	SEP	308
APR	26 100	OCT	1 950
MAY	15 900	NOV	3 190
JUN	5 350	DEC	12 800

TOTAL DISCHARGE, 105 000 dam³

OXTONGUE RIVER NEAR DWIGHT - STATION NO. 02EB014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.40B	6.85B	5.50B	18.6	26.4	11.1	4.78	0.792	0.492	8.35	7.65	34.7	1
2	3.37B	6.55B	5.20B	18.5	24.1	10.4	4.59	0.764	0.535	8.58	6.71	30.2	2
3	3.20B	6.30B	4.80B	21.0	22.1	10.0	3.97	0.728	0.659	8.31	5.16	26.4	3
4	3.15B	6.00B	4.55B	24.4	16.9	9.52	3.17	0.703	0.825	8.77	4.44	24.1	4
5	3.20B	5.80B	4.30B	26.4	11.6	8.92	3.08	0.689	1.01	9.17	4.32	22.4	5
6	3.08B	7.40B	4.15B	25.8	9.77	8.26	2.87	0.696	1.14	8.87	6.42	20.6	6
7	2.95B	10.4 B	3.98B	23.8	9.01	7.72	2.76	0.681	1.29	8.53	8.13	19.3	7
8	2.88B	10.6 B	3.83B	22.0	9.07	7.07	2.78	0.670	1.28	8.53	9.52	18.2	8
9	2.77B	9.80B	3.78B	20.8	9.20	6.68	3.14	0.672	1.30	9.16	7.96	17.2	9
10	2.67B	9.20B	3.70B	20.6	9.67	6.56	3.00	0.662	2.47	9.88	7.39	16.3	10
11	2.58B	8.60B	3.65B	21.1	10.8	6.49	2.54	0.653	8.51	10.6	7.14	15.3	11
12	2.50B	8.20B	4.40B	21.0	11.2	6.15	2.24	0.643	10.8	10.8	7.02	15.9	12
13	2.42B	7.80B	6.10B	20.2	11.1	5.89	2.04	0.707	11.6	10.7	6.60	17.1	13
14	2.37B	7.60B	8.50B	19.7	10.8	5.58	1.90	0.743	11.7	10.6	6.19	16.7 B	14
15	2.32B	7.40B	13.3 B	19.5	10.5	5.26	1.68	0.710	12.3	10.4	5.88	15.9	15
16	2.30B	7.25B	21.3 B	19.7	10.3	4.94	1.47	0.694	12.0	10.1	6.45	15.4	16
17	2.66B	8.00B	29.0 B	21.3	11.5	4.69	1.29	0.673	11.8	10.8	10.6	14.4 B	17
18	4.00B	8.60B	34.5 B	22.2	16.6	4.69	1.20	0.665	11.6	14.0	13.4	13.9	18
19	6.80B	9.20B	34.1 B	21.5	22.4	4.61	1.09	0.660	11.3	17.8	12.7	13.3 B	19
20	8.61B	8.51B	32.1	22.2	24.6	4.25	1.15	0.628	10.4	19.7	11.4	12.8 B	20
21	8.40B	8.20B	29.8	25.8	24.0	4.13	1.10	0.593	8.25	18.5	10.5	12.3 B	21
22	8.20B	8.10B	28.5	29.8	23.0	4.13	1.07	0.582	7.78	16.9	11.9	12.2	22
23	8.00B	8.20B	30.8	31.7	21.2	4.36	1.12	0.580	7.84	15.5	16.4	12.7	23
24	7.80B	7.40B	32.0	32.7	19.6	4.51	1.10	0.567	7.97	13.7	18.4	12.6 B	24
25	7.60B	6.80B	30.6	35.3	18.2	4.23	1.08	0.559	8.25	12.4	17.6	11.8 B	25
26	7.95B	6.40B	28.1	36.5	17.1	3.97	1.02	0.559	8.73	11.2	16.2	11.1 B	26
27	8.10B	6.10B	25.4	34.9	15.8	3.82	0.940	0.551	8.40	10.2	18.5	10.3 B	27
28	7.80B	5.80B	23.6	32.8	15.0	4.63	0.874	0.542	8.13	9.58	32.1	9.67B	28
29	7.45B		21.9	30.6	14.1	4.49	0.824	0.541	8.09	9.00	43.1	9.69B	29
30	7.25B		20.7	28.4	13.1	4.57	0.816	0.521	8.26	8.65	40.3	10.3	30
31	7.05B		19.5		12.0		0.865	0.504		8.26		9.70B	31
TOTAL	152.83	217.06	521.64	748.8	480.72	181.62	61.549	19.932	204.708	347.54	379.10	502.46	TOTAL
MEAN	4.93	7.75	16.8	25.0	15.5	6.05	1.99	0.643	6.82	11.2	12.6	16.2	MEAN
MAX	8.61	10.6	34.5	36.5	26.4	11.1	4.78	0.792	12.3	19.7	43.1	34.7	MAX
MIN	2.30	5.80	3.65	18.5	9.01	3.82	0.816	0.504	0.492	8.26	4.32	9.67	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.5
MAXIMUM DAILY, 43.1 ON NOV 29
MINIMUM DAILY, 0.492 ON SEP 01
MAXIMUM INSTANTANEOUS,
44.1 AT 14:47 EST ON NOV 29

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 18 47 N
LONG 078 59 32 W
DRAINAGE AREA, 601 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	13 200	JUL	5 320
FEB	18 800	AUG	1 720
MAR	45 100	SEP	17 700
APR	64 700	OCT	30 000
MAY	41 500	NOV	32 800
JUN	15 700	DEC	43 400

TOTAL DISCHARGE, 330 000 dam³

PAGWACHUAN RIVER AT HIGHWAY NO. 11 - STATION NO. 04JD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.37B	2.38B	1.92B	7.40B	170	21.1	44.8	6.10	3.18	8.88	32.5	15.0 B	1
2	3.33B	2.35B	1.91B	8.20B	153	19.3	44.0	5.60	3.08	8.60	32.5	14.1 B	2
3	3.29B	2.33B	1.90B	9.20B	133	22.7	47.9	5.25	2.90	8.21	36.1	13.3 B	3
4	3.23B	2.31B	1.89B	9.30B	114	31.8	64.2	5.01	2.73	7.88	38.0	12.7 B	4
5	3.19B	2.29B	1.88B	9.00B	99.3	36.3	63.7	4.96	2.61	7.98	37.5	12.1 B	5
6	3.16B	2.27B	1.87B	8.60B	85.9	37.0	53.4	4.77	2.50	8.20	35.1	11.6 B	6
7	3.11B	2.25B	1.87B	8.30B	75.3	37.9	44.6	4.53	2.39	8.41	32.5	11.1 B	7
8	3.08B	2.22B	1.86B	8.00B	66.3	37.5	41.0	4.65	2.16	8.52	27.6	10.6 B	8
9	3.03B	2.20B	1.85B	7.90B	60.6	39.9	42.2	4.59	2.04	8.52	27.6	10.1 B	9
10	3.00B	2.18B	1.86B	7.70B	55.1	45.4	41.3	5.64	2.00	8.26	24.5	9.70B	10
11	2.97B	2.17B	1.87B	7.50B	49.9	44.4	38.3	5.77	1.88	8.01	20.9	9.30B	11
12	2.94B	2.16B	1.88B	7.40B	48.2	40.3	34.6	5.54	1.99	8.09	19.5B	9.00B	12
13	2.91B	2.14B	1.93B	7.30B	46.6	36.5	30.9	5.19	1.98	8.39	18.1B	8.70B	13
14	2.88B	2.12B	1.99B	7.20B	45.3	33.6	27.1	4.93	1.99	8.89	17.8B	8.30B	14
15	2.85B	2.10B	2.20B	7.30B	46.5	32.6	23.8	4.81	2.01	10.7	17.8B	8.10B	15
16	2.82B	2.09B	2.70B	7.60B	45.9	30.1	21.2	4.57	2.03	12.3	16.9B	7.90B	16
17	2.79B	2.08B	3.70B	7.70B	49.4	29.5	19.4	4.50	1.90	13.2	15.9B	7.60B	17
18	2.76B	2.06B	4.80B	7.80B	61.9	72.6	17.9	4.60	1.73	15.0	15.2B	7.40B	18
19	2.73B	2.04B	6.00B	8.30B	58.5	85.1	16.6	4.39	1.76	16.5	14.5B	7.24B	19
20	2.70B	2.03B	6.65B	10.3 B	57.8	74.5	14.9	4.09	1.71	17.1	13.9	7.05B	20
21	2.67B	2.02B	6.85B	14.2 B	53.9	64.0	13.6	3.87	1.92	19.6	14.3	6.85B	21
22	2.64B	2.01B	6.95B	24.0 B	49.1	76.9	12.5	3.63	3.68	24.2	15.8	6.65B	22
23	2.61B	2.00B	7.00B	37.5 B	44.8	95.0	11.7	3.39	8.55	27.4	17.0	6.50B	23
24	2.58B	1.99B	7.15B	70.0 B	41.1	84.9	10.7	3.18	12.0	32.4	16.4	6.40B	24
25	2.55B	1.97B	7.10B	135 B	38.0	70.2	9.93	3.20	12.5	35.1	14.7B	6.30B	25
26	2.52B	1.96B	6.90B	174 B	35.3	61.1	9.53	3.38	11.9	34.8	14.1B	6.20B	26
27	2.50B	1.95B	6.70B	209	32.5	55.4	8.98	3.46	11.5	34.7	14.5B	6.05B	27
28	2.48B	1.94B	6.50B	200	30.0	48.4	8.29	3.46	10.8	36.0	16.2B	5.95B	28
29	2.45B		6.30B	188	27.3	45.4	7.67	3.41	10.2	35.3	16.6B	5.90B	29
30	2.42B		6.20B	180	25.2	44.5	7.17	3.26	9.47	34.5	16.0B	5.80B	30
31	2.40B		6.50B		23.3		6.62	3.21		33.7		5.75B	31
TOTAL	87.96	59.61	126.68	1 393.70	1 916.1	1 453.9	838.49	136.54	137.09	549.34	649.6	269.24	TOTAL
MEAN	2.84	2.13	4.09	46.5	61.8	48.5	27.0	4.40	4.57	17.7	21.7	8.69	MEAN
MAX	3.37	2.38	7.15	209	170	95.0	64.2	6.10	12.5	36.0	38.0	15.0	MAX
MIN	2.40	1.94	1.85	7.20	23.3	19.3	6.62	3.18	1.71	7.88	13.9	5.75	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 20.9
MAXIMUM DAILY, 209 ON APR 27
MINIMUM DAILY, 1.71 ON SEP 20
MAXIMUM INSTANTANEOUS,
213 AT 13:52 EST ON APR 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 46 00 N
LONG 085 14 00 W
DRAINAGE AREA, 2 020 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 600	JUL	72 400
FEB	5 150	AUG	11 800
MAR	10 900	SEP	11 800
APR	120 000	OCT	47 500
MAY	166 000	NOV	56 100
JUN	126 000	DEC	23 300

TOTAL DISCHARGE, 659 000 dam³

PARKHILL CREEK ABOVE PARKHILL RESERVOIR - STATION NO. 02FF008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.660B	0.915	0.950B	1.15	0.307	0.140	0.116	0.928	0.227	3.30 E	0.441	1.09	1
2	0.740B	1.28	0.970B	1.66	0.262	0.124	0.100	0.370	0.167	3.90 E	0.410	0.854	2
3	0.650B	1.13 B	1.30 B	3.24	0.224	0.150	0.069	0.203	0.120	1.53 A	0.393	0.749	3
4	1.80 B	0.966B	1.10 B	2.62	0.210	0.353	0.054	0.132	0.108	2.62	0.365	2.35	4
5	7.00 B	0.815B	0.940B	1.77	0.739	0.543	0.043	0.106	0.100	3.65	4.34	1.84	5
6	3.80 B	0.748	0.820B	1.37	0.602	0.292	0.033	0.080	0.126	1.82	20.6	1.52	6
7	2.70 B	0.771	0.660B	1.13	0.401	0.210	0.024	0.066	1.47	1.12	8.70	1.33	7
8	2.00 B	2.28	0.600B	0.938	0.321	0.163	0.021	0.049	0.878	0.875	3.87	1.24	8
9	1.50 B	13.5	1.20 B	0.809	0.267	0.170	3.66	0.039	0.394	15.8	2.51	1.63	9
10	1.28 B	7.46	3.10 B	1.09	0.249	0.129	4.32	0.057	0.258	21.1	2.30	2.58	10
11	1.19 B	2.92	5.60	4.13	0.243	0.106	1.42	0.049	0.186	14.6	1.90	2.21	11
12	1.01 B	1.85 B	11.3	2.14	0.187	0.082	0.668	0.074	0.144	6.37	1.46	1.43	12
13	0.850B	1.51	9.47	1.42	0.283	0.067	0.345	0.211	0.119	3.90	1.20	1.54	13
14	0.750B	1.79	4.66	1.25	0.416	0.079	0.227	0.280	0.424	2.65	1.05	1.14	14
15	0.720B	1.24 B	2.69	2.00	0.303	0.102	0.231	0.177	16.9	1.87	1.04	0.809	15
16	0.700B	1.20 B	1.93	1.62	0.873	0.076	0.200	0.140	8.63	1.42	0.997	0.813	16
17	7.00 B	1.07 B	1.58	1.78	7.04	0.058	0.130	0.150	2.97	1.39	0.887	0.789	17
18	30.4	0.860B	1.25	1.74	5.91	0.048	0.105	0.170	1.46	5.05	0.726	1.39	18
19	20.0	0.780B	0.975	1.22	1.97	0.044	0.085	0.986	1.01	7.84	0.633	3.77	19
20	9.42	0.750B	0.824	1.11	1.31	0.041	2.89	2.08	1.00	3.87	0.577	2.02	20
21	4.00	0.730B	0.741	4.07	1.60	0.039	2.48	1.09	0.750	2.18	0.516	1.42	21
22	2.51	5.65 B	0.816	2.30	1.23	0.055	0.905	0.605	0.738	1.62	1.25	2.66	22
23	1.86 B	20.2	4.63	1.50	0.836	0.072	0.520	0.379	0.716	1.30	2.21	2.79	23
24	2.43	7.25	2.43	1.10	0.631	0.221	0.336	0.262	0.814A	1.03	1.60	2.28	24
25	5.26	2.50 B	1.55	0.882	0.497	0.452	0.206	0.196	4.20 E	0.836	1.22	1.48 B	25
26	9.72	2.00 B	1.20	0.716	0.410	0.230	0.139	0.148	2.00 E	0.706	0.948	1.12 B	26
27	3.84	1.40 B	0.929	0.598	0.351	0.170	0.098	0.125	1.30 E	0.608	1.16	0.905B	27
28	7.07	1.12 B	0.826	0.514	0.281	0.144	0.072	0.306	1.01 E	0.559	2.56	0.828B	28
29	3.22		0.793	0.436	0.241	0.159	0.053	1.54	0.920E	0.514	2.50	9.45	29
30	1.74		0.986	0.359	0.204	0.163	0.507	0.711	0.820E	0.489	1.49	24.4	30
31	1.12		1.17		0.162		3.20	0.358		0.474		10.3	31
TOTAL	136.940	84.685	67.990	46.642	28.560	4.682	23.257	12.067	49.959	114.991	69.953	88.727	TOTAL
MEAN	4.42	3.02	2.19	1.55	0.921	0.156	0.750	0.389	1.67	3.71	2.33	2.86	MEAN
MAX	30.4	20.2	11.3	4.13	7.04	0.543	4.32	2.08	16.9	21.1	20.6	24.4	MAX
MIN	0.650	0.730	0.600	0.359	0.162	0.039	0.021	0.039	0.100	0.474	0.365	0.749	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.00
MAXIMUM DAILY, 30.4 ON JAN 18
MINIMUM DAILY, 0.021 ON JUL 08
MAXIMUM INSTANTANEOUS,
33.0 AT 07:02 EST ON JAN 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 09 49 N
LONG 081 37 54 W
DRAINAGE AREA, 110 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	11 800	JUL	2 010
FEB	7 320	AUG	1 040
MAR	5 870	SEP	4 320
APR	4 030	OCT	9 940
MAY	2 470	NOV	6 040
JUN	405	DEC	7 670

TOTAL DISCHARGE, 62 900 dam³

PARKS CREEK NEAR LATTA - STATION NO. 02HL006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.920B	2.76B	3.18B	4.76	4.97	2.34	1.33	0.517	0.130	0.317	1.02	1.21	1
2	1.10 B	2.59B	2.69B	4.72	4.43	2.05	1.27	0.424	0.123	0.293	0.998	1.18	2
3	1.05 B	2.51B	2.40B	6.18	3.99	2.01	1.15	0.344	0.115	0.265	0.950	1.09	3
4	1.00 B	2.42B	2.20B	8.43	3.75	2.02	1.01	0.320	0.123	0.300	0.875	2.01	4
5	1.30 B	2.26B	1.99B	9.91	4.16	1.86	0.952	0.317	0.145	0.491	0.894	2.43B	5
6	1.40 B	2.09B	1.96B	9.41	4.48	1.75	0.901	0.355	0.137	0.551	1.18	2.50B	6
7	1.34 B	1.99B	1.92B	8.49	4.20	1.68	0.789	0.341	0.157	0.367	1.23	2.36B	7
8	1.28 B	1.97B	1.73B	7.46	4.48	1.54	0.701	0.298	0.152	0.296	1.21	2.26	8
9	1.22 B	3.08B	1.65B	6.70	4.15	1.62	0.881	0.259	0.141	0.344	1.18	2.21	9
10	1.20 B	4.60B	1.62B	6.91	4.03	1.78	0.833	0.215	0.146	0.503	1.26	2.21	10
11	1.37 B	3.28B	2.40B	9.22	3.82	1.70	0.713	0.208	0.139	0.654	1.30	2.01B	11
12	1.30 B	2.40B	9.55B	9.30	3.33	1.55	0.662	0.201	0.123	0.780	1.22	2.12	12
13	1.24 B	2.63B	11.7 B	8.47	3.30	1.54	0.611	0.473	0.121	0.855	1.14 B	1.81B	13
14	1.17 B	4.22B	11.5 B	7.74	3.33	1.49	0.571	0.637	0.105	0.946	1.10 B	1.88B	14
15	1.12 B	3.26B	13.4 B	8.05	3.05	1.39	0.547	0.497	0.108	0.927	1.07	2.28B	15
16	1.10 B	2.76B	13.6	7.98	2.99	1.23	0.569	0.429	0.117	0.646	1.19	2.20B	16
17	1.20 B	3.24B	13.8	7.56	3.72	1.10	0.543	0.345	0.105	0.609	1.16	2.14B	17
18	5.88 B	2.92B	13.3	7.02	4.69	1.47	0.508	0.344	0.109	0.793	1.10	2.20B	18
19	6.30 B	2.69B	10.6	6.38	4.74	1.59	0.461	0.364	0.114	1.25	1.01	3.39	19
20	5.60 B	2.59B	9.77	6.06	4.83	1.28	0.511	0.319	0.112	1.18	0.937	3.02B	20
21	4.10 B	2.40B	8.78	6.65	5.95	1.21	0.520	0.258	0.102	1.07	0.941	2.92B	21
22	2.70 B	2.20B	8.30	6.72	5.63	1.21	0.502	0.219	0.109	0.938	1.03	5.11	22
23	2.35 B	4.00B	8.36	6.26	5.09	1.33	0.709	0.200	0.117	0.938	1.26	9.56	23
24	2.70 B	5.25B	7.94	5.78	4.62	1.34	0.704	0.183	0.111	1.00	1.22	8.10B	24
25	3.55 B	4.70B	6.57	6.68	4.07	1.34	0.597	0.160	0.111	1.03	1.19	7.10B	25
26	4.70 B	4.35B	6.02	7.23	3.78	1.23	0.509	0.152	0.115	0.987	1.18	6.40B	26
27	4.20 B	3.99B	5.40	6.83	3.54	1.11	0.466	0.144	0.118	0.934	1.22	5.90B	27
28	3.85 B	3.68B	4.90	6.29	3.24	1.00	0.479	0.135	0.141	1.10	1.36	5.55B	28
29	3.50 B		4.59	5.79	2.99	1.02	0.422	0.160	0.177	1.14	1.30	8.00B	29
30	3.20 B		4.41	5.36	2.74	1.29	0.359	0.161	0.297	1.12	1.26	10.8 B	30
31	2.85 B		4.58		2.58		0.538	0.148		1.13		9.80B	31
TOTAL	75.790	86.83	200.41	214.34	124.67	45.07	21.318	9.127	3.920	23.834	33.985	121.75	TOTAL
MEAN	2.44	3.10	6.46	7.14	4.02	1.50	0.688	0.294	0.131	0.769	1.13	3.93	MEAN
MAX	6.30	5.25	13.8	9.91	5.95	2.34	1.33	0.637	0.297	1.25	1.36	10.8	MAX
MIN	0.920	1.97	1.62	4.72	2.58	1.00	0.359	0.135	0.102	0.265	0.875	1.09	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.63
MAXIMUM DAILY, 13.8 ON MAR 17
MINIMUM DAILY, 0.102 ON SEP 21
MAXIMUM INSTANTANEOUS,
14.3 AT 0:11 EST ON MAR 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 17 07 N
LONG 077 19 25 W
DRAINAGE AREA, 205 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 550	JUL	1 840
FEB	7 500	AUG	789
MAR	17 300	SEP	339
APR	18 500	OCT	2 060
MAY	10 800	NOV	2 940
JUN	3 890	DEC	10 500

TOTAL DISCHARGE, 83 000 dam³

PATTERSON CREEK NEAR SIMCOE - STATION NO. 02GC012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.509	0.892	1.00 B	1.11	0.849	0.738	0.504	0.321	0.386	0.410	0.457	0.623	1
2	0.477	1.38	0.980B	1.16	0.822	0.711	0.484	0.302	0.373	0.397	0.452	0.603	2
3	0.465	1.19	0.950B	1.25	0.812	0.732	0.477	0.318	0.373	0.392	0.447	0.679	3
4	0.664	1.07	0.925B	1.21	0.848	0.773	0.457	0.317	0.373	0.437	0.445	1.21	4
5	0.783	0.986	0.905B	1.16	0.944	0.731	0.452	0.378	0.368	0.417	0.572	1.07	5
6	0.639	0.951	0.890B	1.10	0.886	0.695	0.455	0.396	0.381	0.394	0.917	0.908	6
7	0.582	0.951	0.875B	1.05	0.830	0.679	0.416	0.406	0.462	0.385	0.800	0.861	7
8	0.559	1.18	0.871	1.00	0.804	0.716	0.395	0.385	0.398	0.381	0.702	0.824	8
9	0.568	1.73	0.999	0.954	0.767	0.705	0.777	0.375	0.382	0.464	0.663	0.817	9
10	0.692	1.70	1.40	1.13	0.835	0.680	0.626	0.366	0.381	0.486	0.654	0.873	10
11	0.688	1.36	2.35	1.59	0.808	0.657	0.525	0.348	0.373	0.495	0.652	0.841	11
12	0.658	1.17	2.50	1.36	0.773	0.626	0.504	0.334	0.361	0.516	0.634	0.796	12
13	0.613	1.09	2.76	1.19	1.05	0.613	0.497	0.472	0.356	0.571	0.611	0.802	13
14	0.588	1.04 B	2.41	1.19	1.15	0.610	0.505	0.423	0.395	0.554	0.602	0.762	14
15	0.567	1.03 B	2.09	1.24	1.02	0.602	0.542	0.384	0.460	0.523	0.593	0.728	15
16	0.604	1.06	1.81	1.14	1.17	0.581	0.531	0.531	0.408	0.506	0.588	0.871	16
17	1.29 B	1.04	1.68	1.13	1.47	0.575	0.490	0.605	0.392	0.503	0.586	0.884	17
18	2.80 B	0.940B	1.58	1.05	1.43	0.594	0.460	0.517	0.388	0.536	0.575	0.974	18
19	1.95	0.910B	1.51	0.997	1.22	0.572	0.449	0.489	0.396	0.557	0.573	1.12	19
20	1.35	0.900	1.43	1.03	1.18	0.547	0.479	0.471	0.394	0.525	0.561	0.977	20
21	1.15	0.850	1.40	1.28	1.17	0.560	0.484	0.452	0.379	0.508	0.555	0.933	21
22	1.03	1.61	1.35	1.21	1.10	0.565	0.485	0.450	0.392	0.517	0.576	1.23	22
23	0.945	3.25	1.36	1.10	0.994	0.609	0.493	0.434	0.374	0.508	0.606	1.81 B	23
24	1.09	2.33 B	1.27	1.03	0.957	0.591	0.464	0.425	0.367	0.509	0.616	1.73 B	24
25	1.18	1.60 B	1.20	0.975	0.892	0.563	0.436	0.412	0.355	0.501	0.601	1.27 B	25
26	1.27	1.22 B	1.15	0.942	0.848	0.532	0.418	0.403	0.358	0.482	0.571	1.04 B	26
27	1.04	1.15 B	1.09	0.904	0.831	0.544	0.370	0.384	0.354	0.479	0.674	0.980B	27
28	1.00	1.10 B	1.06	0.870	0.839	0.518	0.343	0.460A	0.356	0.478	0.733	0.960B	28
29	0.955		1.02	0.868	0.862	0.519	0.334	0.443	0.375	0.465	0.672	2.35 B	29
30	0.912		1.06	0.853	0.834	0.517	0.360	0.408	0.447	0.457	0.629	4.86	30
31	0.863		1.14		0.771		0.352	0.391		0.460		3.93	31
TOTAL	28.481	35.680	43.005	33.073	29.766	18.655	14.564	12.800	11.557	14.813	18.317	38.316	TOTAL
MEAN	0.919	1.27	1.39	1.10	0.960	0.622	0.470	0.413	0.385	0.478	0.611	1.24	MEAN
MAX	2.80	3.25	2.76	1.59	1.47	0.773	0.777	0.605	0.462	0.571	0.917	4.86	MAX
MIN	0.465	0.850	0.871	0.853	0.767	0.517	0.334	0.302	0.354	0.381	0.445	0.603	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.819
MAXIMUM DAILY, 4.86 ON DEC 30
MINIMUM DAILY, 0.302 ON AUG 02
MAXIMUM INSTANTANEOUS,
5.04 AT 14:57 EST ON DEC 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 51 13 N
LONG 080 19 41 W
DRAINAGE AREA, 51.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 460	JUL	1 260
FEB	3 080	AUG	1 110
MAR	3 720	SEP	999
APR	2 860	OCT	1 260
MAY	2 570	NOV	1 580
JUN	1 610	DEC	3 310

TOTAL DISCHARGE, 25 800 dam³

PAYNE RIVER NEAR BERWICK - STATION NO. 02LB022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.051B	1.01 B	1.02 B	2.17	1.43	0.344	0.203	0.145	0.121	5.04	0.802	1.37	1
2	0.046B	0.960B	0.880B	3.60	1.19	0.293	0.248	0.141	0.094	2.30	0.804	1.16	2
3	0.043B	0.921B	0.780B	7.01	0.958	0.325	0.306	0.117	0.083	1.53	0.806	1.01 B	3
4	0.049B	0.905B	0.702B	28.4	0.822	0.337	0.265	0.102	0.070	1.37	0.779	1.36 B	4
5	0.270B	0.900B	0.661B	20.5	1.00	0.302	0.249	0.109	0.071	3.24	0.814	3.80 B	5
6	0.580B	0.882B	0.620B	8.11	1.93	0.252	0.305	0.166	0.083	2.01	2.03	3.34 B	6
7	0.460B	0.879B	0.591B	4.47	1.49	0.222	0.174	0.171	0.091	1.35	1.25	2.26 B	7
8	0.405B	0.874B	0.576B	3.11	1.23	0.207	0.133	0.208	0.085	0.938	2.12	1.81	8
9	0.370B	3.10 B	0.560B	2.44	1.15	0.191	0.122	0.224	0.092	0.937	1.63	1.66	9
10	0.340B	6.80 B	0.725B	4.24	1.11 A	0.186	0.102	0.175	0.107	3.12	1.64	2.35 B	10
11	0.330B	3.70 B	2.62 B	6.71	3.25	0.245	0.092	0.134	0.095	2.71	2.38	1.72 B	11
12	0.325B	2.80 B	7.30 B	5.12	2.50	0.233	0.102	0.126	0.076	2.80	1.82	1.29 B	12
13	0.320B	2.10 B	10.1 B	4.81	1.68	0.178	0.080	0.146	0.072	8.67	1.95 B	1.19 B	13
14	0.317B	5.40 B	10.9 B	7.91	1.40	0.151	0.065	0.134	0.065	11.3	1.04 B	0.996B	14
15	0.315B	2.90 B	10.7 B	12.4	1.14	0.134	0.073	0.199	0.081	4.99	0.937	0.880B	15
16	0.311B	1.70 B	13.1 B	7.94	1.00	0.128	0.102	0.225	0.068	3.03	1.12	0.770B	16
17	0.335B	1.30 B	23.6 B	6.04	1.91	0.129	0.072	0.215	0.056	2.10	2.76	0.650B	17
18	5.40 B	0.980B	18.3 B	4.44	8.35	0.117	0.072	0.188	0.052	2.00	2.61	0.753	18
19	3.60 B	0.925B	6.97	3.14	4.62	0.121	0.053	0.183	0.051	3.61	1.70	2.67	19
20	2.11 B	0.918B	4.98	2.74	3.26	0.127	0.156	0.182	0.059	2.53	1.42	1.76 B	20
21	1.50 B	0.975B	3.88	8.09	6.45	0.141	0.739	0.162	0.058	1.79	1.27	1.06 B	21
22	1.02 B	1.12 B	3.71	5.59	3.89	0.168	0.603	0.120	0.068	1.51	1.26	8.82 B	22
23	0.700B	4.40 B	6.11	3.85	2.46	0.214	1.50	0.094	0.071	1.38	2.30	26.8 B	23
24	0.586B	3.70 B	3.99	2.98	1.75	0.475	2.88	0.079	0.072	1.26	2.65	21.8	24
25	0.800B	2.80 B	2.30 B	2.48	1.39	0.512	1.29	0.073	0.075	1.11	2.08	5.98 B	25
26	5.65 B	2.28 B	1.74 B	2.92	1.10	0.698	0.731	0.073	0.074	1.02	1.93	3.36 B	26
27	2.01 B	1.85 B	1.35 B	2.63	0.813	0.480	0.498	0.069	0.065	1.01	1.56	2.60 B	27
28	1.80 B	1.51 B	1.12 B	2.14	0.659	0.301	0.351	0.068	0.052	1.07	2.77	2.44 B	28
29	1.40 B		1.10 B	1.71	0.564	0.218	0.244	0.142	0.065	0.966	2.32	2.71 B	29
30	1.20 B		1.08	1.57	0.483	0.204	0.177	0.114	1.27 A	1.01	1.67	26.9 B	30
31	1.07 B		1.12		0.405		0.174	0.179		0.896		14.0 B	31
TOTAL	33.713	58.589	143.185	179.25	61.384	7.653	12.161	4.463	3.442	78.597	52.222	149.269	TOTAL
MEAN	1.09	2.09	4.62	5.98	1.98	0.255	0.392	0.144	0.115	2.54	1.74	4.82	MEAN
MAX	5.65	6.80	23.6	28.4	8.35	0.698	2.88	0.225	1.27	11.3	3.25	26.9	MAX
MIN	0.043	0.874	0.560	1.57	0.405	0.117	0.053	0.068	0.051	0.896	0.779	0.650	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.15
MAXIMUM DAILY, 28.4 ON APR 04
MINIMUM DAILY, 0.043B ON JAN 03
MAXIMUM INSTANTANEOUS,
35.0 AT 14:03 EST ON APR 04

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 11 30 N
LONG 075 06 20 W
DRAINAGE AREA, 152 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 910	JUL	1 050
FEB	5 060	AUG	386
MAR	12 400	SEP	297
APR	15 500	OCT	6 790
MAY	5 300	NOV	4 510
JUN	661	DEC	12 900

TOTAL DISCHARGE, 67 800 dam³

PEFFERLAW BROOK NEAR UDORA - STATION NO. 02EC018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.800B	2.75B	3.65B	3.61	2.92	1.45	3.18	0.806	1.17	3.09	2.03	2.56	1
2	0.755B	2.50B	3.10B	3.88	2.63	1.87	3.38	0.808	0.948	3.05	1.97	2.43	2
3	0.730B	2.35B	2.75B	4.89	2.41	3.32	2.50	0.792	0.820	2.63	1.93	2.22	3
4	1.07 B	2.22B	2.50B	5.89	2.25	3.25	1.72	0.753	0.713	2.53	1.97	2.98	4
5	1.51 B	2.10B	2.30B	6.99	2.75	2.96	1.33	0.847	1.47	2.87	2.33	4.17B	5
6	1.88 B	1.99B	2.12B	7.18	3.31	2.50	1.08	0.898	1.99	3.14	3.86	3.85B	6
7	2.10 B	1.88B	1.94B	6.11	3.23	2.14	0.855	0.949	1.91	2.73	4.77	3.44	7
8	1.95 B	2.20B	1.80B	4.81	2.92	1.91	0.723	1.01	1.74	2.23	4.81	3.15	8
9	1.87 B	4.49B	1.68B	4.12	2.71	1.97	0.852	1.02	1.49	2.27	4.24	3.01	9
10	1.91 B	6.05B	1.58B	5.25	2.74	2.04	1.14	1.04	1.44	4.25	3.72	3.05	10
11	1.97 B	8.19B	20.0 B	8.09	2.88	1.94	1.13	0.821	1.34	5.22	3.34	2.93B	11
12	2.00 B	6.00B	50.6 E	9.59	2.79	1.79	1.09	0.721	1.15	5.30	3.03	2.88B	12
13	1.60 B	4.40B	94.5 E	7.91	2.55	1.74	1.07	1.08	1.00	5.50	2.79	2.97	13
14	1.30 B	3.35B	66.9 E	5.81	2.46	2.13	1.14	1.44	1.18	5.72	2.62	3.00B	14
15	1.20 B	2.35B	40.1	4.75	2.40E	2.89	1.46	1.44	2.11	5.43	2.57	2.81B	15
16	1.15 B	2.64B	23.3	4.56	2.30E	2.54	1.65	1.42	2.08	4.61	2.71	2.62B	16
17	1.80 B	2.91B	13.9	4.52	2.80E	2.04	1.58	1.41	1.79	3.94	2.82	2.57B	17
18	2.50 B	2.31B	9.57	4.38	3.20E	1.71	1.35	1.27	1.53	3.76	2.71	2.73	18
19	7.00 B	2.13B	7.00	4.03	2.90E	1.47	1.16	1.18	1.34	3.77	2.43	3.22	19
20	6.60 B	1.97B	5.25	4.00	3.80E	1.32	1.46	1.13	1.37	3.64	2.24	3.48B	20
21	5.80 B	1.82B	4.39	5.55	5.20E	1.37	1.88	1.24	1.45	3.35	2.18	3.33B	21
22	4.30 B	3.10B	4.26	6.20	4.60E	1.56	1.79	1.13	1.44	2.91	2.67	4.00	22
23	3.20 B	4.90B	4.92	5.73	4.00E	1.71	1.90	1.12	1.35	2.61	3.51	5.43	23
24	4.80 B	7.68B	4.93	4.89	3.20	1.93	1.96	1.12	1.36	2.33	3.83	6.08	24
25	3.10 B	10.2 B	4.28	4.34	2.68	1.95	1.90	1.09	1.44	2.19	3.63	6.20B	25
26	3.75 B	8.10B	3.81	4.14	2.37	1.64	1.63	1.03	1.27	2.00	3.38	6.05B	26
27	4.80 B	6.10B	3.40	3.42	1.89	1.34	1.16	0.964	1.16	1.92	3.22	5.90B	27
28	5.94 B	4.30B	3.14	3.48	1.85	1.17	0.910	1.11	1.05	2.05	3.15	5.73B	28
29	4.10 B		3.00	3.36	1.76	1.26	0.764	1.23	1.08	2.16	2.94	4.90B	29
30	3.45 B		3.01	3.12	1.65	1.79	0.716	1.27	2.09	2.19	2.74	5.89	30
31	3.05 B		3.30		1.57		0.743	1.86		2.12		6.41	31
TOTAL	85.985	110.98	396.98	154.60	86.58	58.70	45.203	33.999	42.271	102.51	90.14	119.89	TOTAL
MEAN	2.77	3.96	12.8	5.15	2.79	1.96	1.46	1.10	1.41	3.31	3.00	3.87	MEAN
MAX	7.00	10.2	94.5	9.59	5.20	3.32	3.38	1.86	2.11	5.72	4.81	6.41	MAX
MIN	0.730	1.82	1.58	3.12	1.57	1.17	0.716	0.721	0.713	1.92	1.93	2.22	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.64
MAXIMUM DAILY, 94.5E ON MAR 13
MINIMUM DAILY, 0.713 ON SEP 04
MAXIMUM INSTANTANEOUS,
104E AT 10:13 EST ON MAR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 16 04 N
LONG 079 11 42 W
DRAINAGE AREA, 332 km²

B - ICE CONDITIONS
E - ESTIMATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 430	JUL	3 910
FEB	9 590	AUG	2 940
MAR	34 300	SEP	3 650
APR	13 400	OCT	8 860
MAY	7 480	NOV	7 790
JUN	5 070	DEC	10 400

TOTAL DISCHARGE, 115 000 dam³

PERCH LAKE OUTLET NEAR CHALK RIVER - STATION NO. 02KA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.022	0.032	0.023	0.078	0.088	0.018	0.063	0.002	0	0	0.036	0.111	1
2	0.022	0.031	0.022	0.079	0.071	0.019	0.055	0.001	0	0	0.034	0.098	2
3	0.020	0.030	0.021	0.132	0.063	0.024	0.046	0.001	0	0	0.032	0.093	3
4	0.026	0.030	0.020	0.207A	0.056	0.021	0.041	0.001	0	0	0.033	0.110	4
5	0.029	0.028	0.019A	0.256	0.051	0.019	0.035	0.001	0	0	0.037	0.094	5
6	0.028	0.026	0.018A	0.259	0.046	0.018	0.028	0.001	0	0	0.058	0.079	6
7	0.026	0.025	0.017A	0.231	0.041	0.016	0.024	0	0	0	0.062	0.070	7
8	0.025	0.024	0.016A	0.215	0.042	0.015	0.028	0	0	0	0.064	0.066	8
9	0.026	0.025	0.015A	0.205	0.042	0.025	0.034	0	0	0.002	0.060	0.061	9
10	0.027	0.025	0.015A	0.216	0.046	0.031	0.028	0	0	0.004	0.058	0.057	10
11	0.028	0.025	0.015A	0.217	0.045	0.028	0.024	0	0	0.013	0.054	0.054	11
12	0.027	0.024	0.019	0.208	0.043	0.025	0.020	0	0	0.019	0.052	0.048	12
13	0.026	0.026	0.023	0.194	0.039	0.027	0.016	0	0	0.025	0.045	0.046	13
14	0.025	0.025	0.037	0.196	0.036	0.025	0.014	0	0	0.026	0.040	0.043	14
15	0.024	0.024	0.050	0.208	0.038	0.022	0.019	0	0	0.032	0.037	0.041	15
16	0.026	0.026	0.071	0.216	0.035	0.018	0.020	0	0	0.032	0.039	0.040	16
17	0.035	0.025	0.104	0.218	0.066	0.021	0.018	0	0	0.037	0.045	0.037	17
18	0.035	0.024	0.127	0.207	0.118	0.056	0.016	0	0	0.046	0.046	0.039	18
19	0.035	0.022	0.137	0.194	0.117	0.060	0.014	0	0	0.049	0.045	0.040	19
20	0.034	0.021	0.141	0.193	0.105	0.055	0.017	0	0	0.045	0.043	0.038	20
21	0.035	0.020	0.152	0.196	0.093	0.074	0.015	0	0	0.043	0.042	0.035	21
22	0.035	0.024	0.168	0.191	0.077	0.088	0.012	0	0	0.041	0.055	0.035	22
23	0.035	0.028	0.190	0.183	0.067	0.115	0.012	0	0	0.038	0.061	0.037	23
24	0.038	0.026	0.179	0.175	0.058	0.117	0.011	0	0	0.036	0.064	0.039	24
25	0.039	0.025	0.160	0.168	0.050	0.099	0.010	0	0	0.035	0.068	0.038	25
26	0.040	0.024	0.142	0.163	0.043	0.087	0.007	0	0	0.032	0.067	0.038	26
27	0.039	0.025	0.121	0.148	0.037	0.075	0.006	0	0	0.030	0.086	0.035	27
28	0.038	0.024	0.104	0.131	0.030	0.062	0.004	0	0	0.037	0.115	0.033	28
29	0.036		0.089	0.116	0.023	0.054	0.003	0	0	0.038	0.130	0.035	29
30	0.035		0.087	0.103	0.019	0.067	0.003	0	0	0.038	0.123	0.036	30
31	0.033		0.082		0.019		0.002	0		0.038		0.036	31
TOTAL	0.949	0.714	2.384	5.503	1.704	1.391	0.645	0.007	0	0.738	1.731	1.662	TOTAL
MEAN	0.031	0.026	0.077	0.183	0.055	0.046	0.021	0	0	0.024	0.058	0.054	MEAN
MAX	0.040	0.032	0.190	0.259	0.118	0.117	0.063	0.002	0	0.049	0.130	0.111	MAX
MIN	0.020	0.020	0.015	0.078	0.019	0.015	0.002	0	0	0	0.032	0.033	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.048
MAXIMUM DAILY, 0.259 ON APR 06
MINIMUM DAILY, 0 ON AUG 07
MAXIMUM INSTANTANEOUS,
0.267 AT 02:39 EST ON APR 06

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 02 08 N
LONG 077 22 15 W
DRAINAGE AREA, 7.3 km²
A - MANUAL GAUGE

NATURAL FLOW

REMARKS - DISCHARGES TO FOUR SIGNIFICANT FIGURES AVAILABLE FROM REGIONAL OFFICE.

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	82.0	JUL	55.7
FEB	61.7	AUG	0.605
MAR	206	SEP	0
APR	475	OCT	63.8
MAY	147	NOV	150
JUN	120	DEC	144

TOTAL DISCHARGE, 1 510 dam³

PETAWAWA RIVER NEAR PETAWAWA - STATION NO. 02KB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	21.5	27.0	23.1	99.8	194 A	73.5	37.6	16.2	5.76	5.99	28.6	87.2	1
2	21.2	26.8	22.7	96.0	190 A	70.1	36.1	15.4	5.61	6.12	28.0	92.9	2
3	21.7	26.7	22.6	98.9	179 A	67.0	35.2	14.8	5.51	6.16	29.6	95.6	3
4	22.1	25.7	22.6	111	167 A	64.2	34.3	14.2	5.55	6.55	27.6	95.7	4
5	22.3	25.5	22.1	133	154 E	60.8	33.4	13.6	5.60	7.08	27.3	99.9	5
											27.0	100	
6	22.2	25.4	21.1	141	144 E	58.2	32.1	13.0	5.60	7.35	29.7	99.0	6
7	22.1	25.4	20.4	136	131 A	55.8	30.9	12.4	5.48	7.91	30.5	96.2	7
8	21.8	25.4	20.1	133	123	52.7	30.3	11.9	5.39	8.89	32.2	92.7	8
9	21.9	25.2	19.7	127	117	51.2	30.6	11.4	5.20	10.0	32.9	88.7	9
10	22.3	24.9	19.5	123	114	49.7	29.4	11.0	5.18	11.1	33.6	85.5	10
11	22.1	25.0	19.6	122	113	47.6	28.2	11.4	5.27	13.0	33.7	79.6	11
12	22.1	25.1	20.1	119	110	46.5	27.0	11.2	5.09	15.5	33.7	78.5	12
13	21.9	24.8	20.8	116	106	45.9	26.0	10.7	5.12	17.9	33.5	76.0	13
14	21.6	24.6	22.3	112	102	44.8	25.1	10.5	5.16	19.8	32.5	68.3	14
15	21.4	24.5	24.7	110	97.8	43.1	25.2	10.1	5.29	21.5	32.4	69.6	15
16	21.1	24.3	29.3	109	93.4	41.3	25.0	9.56	5.21	22.8	32.7	68.3	16
17	21.6	24.3	34.9	109	91.4	39.6	24.0	9.37	5.10	24.3	33.3	64.7	17
18	21.8	24.1	42.9A	109	93.0	40.6	23.2	9.10	5.08	26.0	34.3	63.0	18
19	22.2	24.1	52.4	110	95.1	40.0	22.3	8.68	5.05	28.1	35.8	60.5	19
20	22.7	23.2	63.5	111	97.2	39.2	22.5	8.39	4.95	29.2	37.2	56.1	20
21	23.5	23.4	77.0	114	103	39.4	22.4	8.08	4.90	30.5	38.4	51.9	21
22	24.0	23.9	90.2	120	105	40.0	22.3	7.86	5.10	31.4	41.7	58.8	22
23	24.1	24.7	104	127	106	41.0	22.5	7.56	5.23	31.3	45.5	60.5A	23
24	24.5	24.3	113	137 A	106	42.1	21.9	7.33	5.11	31.4	49.7	56.2	24
25	24.8	24.2	119	148 A	104	41.5	21.7	7.20	5.16	31.6	53.1	53.3	25
26	25.9	23.8	122	165 A	101	42.0	21.0	7.12	5.52	31.4	54.9	52.2	26
27	26.1	23.4	121	173 E	98.9	41.7	20.3	6.99	5.46	30.7	59.0	49.4	27
28	26.3	23.2	118	181 E	94.1	40.1	19.5	6.60	5.36	31.4	64.5	47.9	28
29	26.7		113	190 E	88.9	39.1	18.5	6.39	5.41	30.8	71.2	47.8	29
30	27.2		109	197 A	83.2	38.4	17.8	6.10	5.88	29.7	79.5	49.5	30
31	27.1		104		78.2		17.1	5.85		29.4		48.3	31
TOTAL	717.3	691.9	1 734.7	3 880.7	3 580.2	1 437.1	803.5	309.98	159.27	634.85	1 194.0	2 196.1	TOTAL
MEAN	23.1	24.7	56.0	129	115	47.9	25.9	10.0	5.31	20.5	39.8	70.8	MEAN
MAX	27.2	27.0	122	197	194	73.5	37.6	16.2	5.88	31.6	79.5	100	MAX
MIN	21.1	23.2	19.5	96.0	78.2	38.4	17.1	5.85	4.90	5.99	27.0	47.8	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 47.5
MAXIMUM DAILY, 197A ON APR 30
MINIMUM DAILY, 4.90 ON SEP 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 53 17 N
LONG 077 18 30 W
DRAINAGE AREA, 4 120 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	62 000	JUL	69 400
FEB	59 800	AUG	26 800
MAR	150 000	SEP	13 800
APR	335 000	OCT	54 900
MAY	309 000	NOV	103 000
JUN	124 000	DEC	190 000

TOTAL DISCHARGE, 1 500 000 dam³

PIC RIVER NEAR MARATHON - STATION NO. 02BB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DI
1	9.50B	8.62B	7.13B	16.4B	232 E	43.0	53.2	17.0	10.9	17.4	65.4	33.5B	
2	9.45B	8.60B	7.06B	16.2B	229 E	40.4	57.9	16.1	10.4	16.5	65.5	32.7B	
3	9.42B	8.58B	7.02B	16.0B	205	43.7	61.0	15.3	9.76	16.4	71.2	32.0B	
4	9.41B	8.52B	6.95B	15.9B	176	53.3	59.5	15.3	9.69	21.7	73.7	31.3B	
5	9.40B	8.46B	6.88B	15.7B	153	59.7	56.1	16.4	9.16	24.0	73.9	30.3B	
6	9.38B	8.42B	6.80B	15.6B	136	63.2	51.5	17.3	8.90	24.2	70.7	29.4B	
7	9.37B	8.38B	6.75B	15.5B	125	64.0	46.8	16.1	8.53	25.0	65.9	28.5B	
8	9.36B	8.33B	6.68B	15.3B	117	62.0	44.9	15.1	8.26	25.6	59.3	27.7B	
9	9.33B	8.28B	6.60B	15.1B	116	63.1	46.3	14.9	8.14	25.3	54.9	27.0B	
10	9.32B	8.24B	6.55B	15.0B	113	66.0	48.9	15.2	7.88	24.1	50.8	26.3B	10
11	9.28B	8.21B	6.47B	14.9B	109	63.9	49.5	15.7	7.44	22.8	46.9	25.7B	11
12	9.25B	8.17B	6.39B	14.8B	101	60.5	48.3	16.1	8.15	22.1	37.8	25.0B	12
13	9.22B	8.08B	6.35B	14.7B	92.0	56.6	45.3	16.1	7.56	22.2	31.3	24.4B	13
14	9.20B	8.04B	6.33B	14.8B	85.2	53.5	41.4	15.8	8.12	23.5	33.0	23.9B	14
15	9.18B	8.00B	6.35B	15.2B	93.3	50.3	37.4	15.3	7.98	28.0	43.1	23.4B	15
16	9.16B	7.97B	6.45B	16.1B	97.8	45.9	33.9	14.5	8.06	31.2	43.4	23.1B	16
17	9.14B	7.94B	9.20B	26.0B	116	43.1	31.3	13.9	7.56	33.5	40.7	22.7B	17
18	9.10B	7.95B	16.0 B	38.0E	122	46.0	35.2	14.9	7.42	37.1	35.7	22.1B	18
19	9.08B	7.79B	17.2 B	60.0E	120	60.2	33.3	15.0	7.48	39.2	37.4	21.8B	19
20	9.05B	7.72B	17.3 B	90.0E	114	71.5	31.2	14.5	7.39	40.1	35.8	21.3B	20
21	9.03B	7.65B	17.2 B	140 E	105	74.9	29.6	13.8	10.2	57.4	46.4	21.0B	21
22	9.00B	7.62B	17.2 B	210 E	93.2	74.2	28.8	13.1	15.2	65.1	74.8	20.7B	22
23	8.98B	7.55B	17.1 B	243 E	83.8	74.0	27.2	12.4	15.5	67.8	65.6	20.4B	23
24	8.95B	7.50B	17.1 B	248 E	77.9	72.8	25.2	11.4	17.7	75.2	56.1	20.0B	24
25	8.92B	7.44B	17.0 B	246 E	72.7	68.7	23.6	11.1	20.9	76.2	44.7	19.8B	25
26	8.88B	7.38B	17.0 B	244 E	68.4	62.7	22.1	11.0	23.0	74.1	35.6	19.4B	26
27	8.83B	7.32B	16.9 B	242 E	64.0	56.5	21.1	11.0	22.9	74.2	35.4	19.1B	27
28	8.78B	7.27B	16.8 B	240 E	60.0	51.4	20.1	11.2	21.3	76.9	35.0B	18.8B	28
29	8.75B		16.7 B	237 E	55.1	47.1	19.1	11.3	19.9	74.9	34.7B	18.7B	29
30	8.70B		16.7 B	234 E	50.5	48.7	18.7	11.3	18.5	71.5	34.1B	18.3B	30
31	8.65B		16.6 B		46.4		18.0	11.0		68.2		18.1B	31
TOTAL	283.07	224.03	352.76	2 745.2	3 429.3	1 741.0	1 166.4	439.1	353.88	1 301.4	1 498.8	746.4	TOT
MEAN	9.13	8.00	11.4	91.5	111	58.0	37.6	14.2	11.8	42.0	50.0	24.1	MEA
MAX	9.50	8.62	17.3	248	232	74.9	61.0	17.3	23.0	76.9	74.8	33.5	MAX
MIN	8.65	7.27	6.33	14.7	46.4	40.4	18.0	11.0	7.39	16.4	31.3	18.1	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 39.1
MAXIMUM DAILY, 248E ON APR 24
MINIMUM DAILY, 6.33B ON MAR 14

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 46 26 N
LONG 086 17 49 W
DRAINAGE AREA, 4 270 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	24 500	JUL	101 000
FEB	19 400	AUG	37 900
MAR	30 500	SEP	30 600
APR	237 000	OCT	112 000
MAY	296 000	NOV	129 000
JUN	150 000	DEC	64 500

TOTAL DISCHARGE, 1 230 000 dam³

PIGEON RIVER AT MIDDLE FALLS - STATION NO. 02AA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	0.934E	1.61E	2.12E	7.08E	63.4	13.2	59.5	10.8	4.19	3.17	12.4	6.80E	1
2	0.934E	1.64E	2.12E	7.08E	52.7	13.4	44.5	10.0	3.94	3.00	11.6	6.65E	2
3	0.963E	1.67E	2.12E	6.51E	44.7	16.0	33.1	9.40	3.77	7.87	10.9	6.51E	3
4	0.963E	1.70E	2.12E	5.95E	39.1	17.3	27.9	8.98	3.57	14.4	10.3	6.51E	4
5	0.991E	1.73E	2.12E	5.66E	35.4	16.3	24.7	8.64	3.40	12.7	9.71	6.51E	5
6	1.02 E	1.76E	2.12E	5.38E	33.1	15.4	22.4	8.13	3.31	10.2	9.03	6.37E	6
7	1.02 E	1.78E	2.12E	5.10E	30.9	15.3	21.7	7.56	3.17	9.35	8.38	6.37E	7
8	1.05 E	1.81E	2.12E	4.81E	29.4	14.4	22.8	6.99	3.03	7.08	8.24	6.23E	8
9	1.05 E	1.98E	2.12E	4.53E	29.4	14.3	42.5	6.65	2.89	6.17	7.79	5.95E	9
10	1.08 E	2.12E	2.12E	4.39E	28.6	14.2	35.1	6.51	2.80	5.52	7.28	5.80E	10
11	1.08 E	2.12E	2.18E	4.39E	27.0	13.3	28.9	6.31	2.75	4.98	7.25	5.66E	11
12	1.10 E	2.12E	2.41E	4.39E	25.3	24.9	25.0	5.92	2.97	4.93	5.75	5.52E	12
13	1.10 E	2.12E	2.83E	4.39E	23.7	45.3	22.6	5.58	2.92	4.81	7.31	5.38E	13
14	1.13 E	2.12E	3.82E	4.53E	24.3	38.2	20.6	5.32	3.62	5.24	6.94	5.38E	14
15	1.16 E	2.12E	5.66E	4.81E	28.3	29.7	18.9	5.07	3.85	7.16	6.65	5.24E	15
16	1.16 E	2.12E	8.50E	5.10E	40.5	24.8	17.6	5.07	4.64	8.13	6.06	5.24E	16
17	1.19 E	2.12E	7.93E	5.66E	43.3	25.5	16.8	4.70	4.98	11.6	7.35	5.24E	17
18	1.22 E	2.12E	7.36E	7.08E	37.7	44.2	19.0	4.62	4.62	20.2	6.29	5.10E	18
19	1.25 E	2.12E	6.80E	8.50E	32.8	44.2	19.6	4.45	4.33	18.7	5.64	5.10E	19
20	1.27 E	2.12E	6.23E	11.3 E	28.3	40.5	17.7	4.13	4.08	17.2	6.29	5.10E	20
21	1.30 E	2.12E	5.66E	15.6 E	25.3	47.3	16.1	3.85	4.22	26.2	9.29	4.96E	21
22	1.33 E	2.12E	5.10E	19.9 E	23.6	44.2	15.7	3.65	4.50	30.6	10.6	4.96E	22
23	1.36 E	2.12E	4.53E	24.1 E	22.0	37.9	16.7	3.51	4.62	27.9	10.2	4.81E	23
24	1.39 E	2.12E	4.25E	30.2	20.6	32.8	20.1	3.40	4.47	25.1	8.95	4.81E	24
25	1.42 E	2.12E	3.96E	36.2	19.3	29.2	19.3	3.71	4.81	22.3	8.13	4.67E	25
26	1.44 E	2.12E	3.68E	46.7	18.2	28.1	16.7	5.27	4.42	19.7	7.87	4.67E	26
27	1.47 E	2.12E	3.40E	49.8	17.3	27.5	14.7	6.40	3.91	18.0	7.50E	4.67E	27
28	1.50 E	2.12E	3.40E	81.8	16.6	26.0	13.9	6.14	3.51	17.2	7.22E	4.53E	28
29	1.53 E		3.40E	82.7	15.7	42.8	13.2	5.41	3.26	16.6	7.08E	4.53E	29
30	1.56 E		3.68E	73.1	14.8	64.3	12.4	4.87	3.11	15.0	6.94E	4.53E	30
31	1.59 E		4.81E		13.8		11.6	4.47		13.5		4.39E	31
TOTAL	37.555	55.96	120.79	576.44	905.1	860.5	733.3	185.51	113.66	413.51	244.84	168.19	TOT
MEAN	1.21	2.00	3.90	19.2	29.2	28.7	23.7	5.98	3.79	13.3	8.16	5.43	MEA
MAX	1.59	2.12	8.50	82.7	63.4	64.3	59.5	10.8	4.98	30.6	12.4	6.80	MAX
MIN	0.934	1.61	2.12	4.39	13.8	13.2	11.6	3.40	2.75	3.00	5.64	4.39	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.1
MAXIMUM DAILY, 82.7 ON APR 29
MINIMUM DAILY, 0.934E ON JAN 01

SUMMARY FOR THE YEAR 1990

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 00 44 N
LONG 089 36 58 W
DRAINAGE AREA, 1 550 km²

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 240	JUL	63 400
FEB	4 830	AUG	16 000
MAR	10 400	SEP	9 820
APR	49 800	OCT	35 700
MAY	78 200	NOV	21 200
JUN	74 300	DEC	14 500

TOTAL DISCHARGE, 381 000 dam³

PINE RIVER AT LURGAN - STATION NO. 02FD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.580B	2.29 A	1.22 B	1.11 A	0.408	0.207	0.030	0.003	0.001	0.005A	0.467	3.49	1
2	0.560B	3.05 B	1.12 B	2.49 A	0.342	0.186	0.037	0.003	0	0.008A	0.420	2.45	2
3	1.10 B	2.30 B	1.30 B	6.61 A	0.295	0.218	0.022	0.008	0	0.010A	0.384	1.99	3
4	1.65 B	1.92 B	1.00 B	4.67 A	0.287	0.217	0.014	0.011	0	0.287A	0.358	2.93	4
5	10.0 B	1.59 B	0.870B	3.15 A	0.361	0.176	0.009	0.012	0.001	1.43 A	3.04	3.24	5
6	12.0 B	1.32 B	0.795B	2.29 A	0.391	0.140	0.008	0.010	0	0.721A	22.1	2.82	6
7	4.80 B	1.20 B	0.720B	1.82 A	0.332	0.118	0.006	0.006	0	0.424A	12.0	2.51	7
8	3.60 B	1.71 A	0.690B	1.45 A	0.277	0.104	0.012	0.005	0	0.307A	8.77	2.61	8
9	3.17 B	14.7 A	1.32 A	1.25 A	0.245	0.104	0.364	0.005	0	0.664A	5.16 A	3.25	9
10	2.60 B	10.3 A	5.85 A	1.36 A	0.238	0.093	0.594	0.004	0.001A	5.96 A	3.84	7.45	10
11	2.25 B	3.90 B	12.9 A	1.94 A	0.224	0.080	0.296	0.003	0.002	11.6 A	3.52 A	5.03	11
12	1.90 B	2.55 B	45.3 A	1.76 A	0.201	0.075	0.156	0.003	0.001	5.18 A	2.77	3.02	12
13	1.65 B	2.10 B	32.9 A	1.41 A	0.181	0.055	0.089	0.003	0	2.59 A	2.24	4.46	13
14	1.45 B	2.12 B	16.4 A	1.30 A	0.158	0.043E	0.063	0.003	0	1.60 A	1.94	3.03	14
15	1.30 B	1.70 B	9.18 A	1.79 A	0.156	0.036E	0.059	0.002	0.002	2.11 A	2.00	1.93	15
16	1.20 B	1.45 B	5.49 A	1.82 A	0.166	0.037E	0.045	0.002	0.002	2.16 A	1.95	1.58	16
17	12.6 B	1.27 B	4.09 A	2.06 A	3.36	0.019E	0.039	0.002	0.001	3.44	1.78	1.33	17
18	49.4 A	1.13 B	2.81 A	2.74 A	3.42	0.012E	0.035	0.002	0	5.71	1.57	1.85	18
19	24.1 A	1.03 B	2.06 A	2.08 A	1.73	0.009E	0.030	0.004	0.001	5.90	1.27	2.84	19
20	13.6 A	0.980B	1.64 A	1.90 A	6.72	0.008E	0.041	0.004	0.001	5.46	1.09	2.02	20
21	7.12 A	0.920B	1.39 A	3.58 A	8.37	0.006E	0.045	0.004	0.001	2.81	0.951	1.60	21
22	4.14 B	1.92 A	1.14 A	2.72 A	3.30	0.005E	0.030	0.003	0.002	1.96	10.1	1.86	22
23	2.90 B	8.80 A	3.49 A	2.03 A	1.89	0.009E	0.023	0.003	0.002	1.49	13.0	2.48	23
24	3.28 A	5.35 A	2.99 A	1.65 A	1.31	0.015E	0.015	0.002	0.002	1.17	7.11	1.87 B	24
25	6.43 A	2.52 B	2.12 A	1.32 A	0.941	0.015E	0.011	0.001	0.002	0.939	4.87	1.26 B	25
26	13.6 A	1.80 B	1.76 A	1.06 A	0.704	0.021E	0.009	0.001	0.001	0.877	3.06	1.07 B	26
27	8.39 A	1.48 B	1.37 A	0.846A	0.623	0.035E	0.007	0.001	0.001	0.844	10.5	0.970B	27
28	14.3 A	1.30 B	1.21 A	0.691A	0.488	0.027	0.006	0.003	0.001	0.742	24.2	0.904B	28
29	7.14 A		1.09 A	0.573A	0.390	0.023	0.004	0.002	0.001	0.629	13.5	12.8 B	29
30	3.66 A		1.09 A	0.481A	0.319	0.025	0.004	0.002	0.002A	0.560	5.71	32.2	30
31	2.56 A		1.15 A		0.263		0.003	0.002		0.524		10.8	31
TOTAL	223.030	82.700	170.655	59.841	38.090	2.118	2.106	0.119	0.028	72.191	170.470	127.644	TOTAL
MEAN	7.19	2.95	5.51	1.99	1.23	0.071	0.068	0.004	0.001	2.33	5.68	4.12	MEAN
MAX	49.4	14.7	45.3	6.61	8.37	0.218	0.594	0.012	0.002	11.6	24.2	32.2	MAX
MIN	0.560	0.920	0.690	0.481	0.156	0.005	0.003	0.001	0	0.005	0.358	0.904	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.60
MAXIMUM DAILY, 49.4A ON JAN 18
MINIMUM DAILY, 0 ON SEP 02
MAXIMUM INSTANTANEOUS,
58.6 AT 13:42 EST ON MAR 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 05 40 N
LONG 081 43 31 W
DRAINAGE AREA, 154 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	19 300	JUL	182
FEB	7 150	AUG	10.3
MAR	14 700	SEP	2.42
APR	5 170	OCT	6 240
MAY	3 290	NOV	14 700
JUN	183	DEC	11 000

TOTAL DISCHARGE, 81 900 dam³

PINE RIVER NEAR EVERETT - STATION NO. 02ED014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.53B	1.96	1.66B	3.67	2.18	2.16	1.97	1.16	0.880E	1.52	1.03 E	1.74	1
2	1.41B	2.17B	1.73B	4.26	2.08	2.40	1.61	1.17	0.875E	1.26	1.01 E	1.68	2
3	1.52B	2.05B	1.48B	5.38	2.07	2.60	1.38	1.13 E	0.870E	1.09	0.985E	1.54B	3
4	1.67B	1.96B	1.33B	4.77	2.09	2.48	1.29	1.06 E	0.865E	1.13	1.02 E	2.27	4
5	1.75B	1.82B	1.28B	4.03	3.09	2.19	1.19	1.02 E	0.890E	1.43	1.75	2.02B	5
6	1.39B	1.91B	1.21B	3.51	2.64	2.08	1.18	1.01 E	0.900E	1.14	3.96	1.87B	6
7	1.23B	2.04B	1.16B	3.27	2.33	1.99	1.12	1.00 E	0.905E	1.04	2.72	1.74	7
8	1.18B	2.25B	1.13B	3.11	2.26	1.89	1.17	0.925E	0.875E	1.02	2.12	1.67	8
9	1.14B	3.77	1.13B	3.08	2.20	1.94	1.58	0.900E	0.860E	2.53	1.87	1.71	9
10	1.16B	3.99B	1.36B	3.58	2.65	1.78	1.22	0.915E	0.935E	3.18	1.84	1.92	10
11	1.17B	2.96B	4.30B	4.32	2.44	1.77	1.11	1.15 E	0.900E	2.39	1.76	1.78	11
12	1.14B	2.49	25.0 B	3.61	2.18	1.68	1.09	1.72	0.870E	1.87	1.68	1.69	12
13	1.09B	2.44	24.3	3.33	2.15	1.91	1.08	1.13	0.855E	1.90	1.59	2.25	13
14	1.06B	2.68B	18.1	3.24	2.10	1.81	1.14	1.02	0.970E	1.52	1.51	2.29B	14
15	1.04B	2.31B	13.6	3.36	2.02	1.78	1.56	1.08	1.27	1.35	1.62	2.09B	15
16	1.02B	2.12B	9.22	3.25	2.53	1.77	1.53	1.05	1.01 E	1.33	1.66	1.93	16
17	1.16B	1.96B	7.25	3.31	4.38	1.62	1.31	1.03 E	0.980E	1.35	1.62	1.76	17
18	5.40B	1.79B	5.91	3.12	4.21	1.50	1.20	0.955E	0.945E	1.52	1.48 B	2.01	18
19	4.07B	1.67B	4.99	2.96	3.04	1.43	1.21	1.04 E	0.950E	1.51	1.40	2.26	19
20	3.18B	1.56B	4.44	2.98	5.31	1.36	2.07	0.920E	0.955E	1.29	1.46	1.94B	20
21	2.92B	1.65B	4.17	3.21	5.98	1.39	1.58	0.905E	0.955E	1.18	1.39	1.77B	21
22	2.77B	2.06B	4.13	3.08	3.56	1.42	1.27	0.900E	0.960E	1.17	1.99	2.75	22
23	2.69B	2.69B	4.05	2.92	2.94	1.13	1.33	0.910E	0.970E	1.18	2.21	3.44	23
24	2.87B	2.36B	4.16	2.75	2.75	2.50	1.31	0.900E	0.960E	1.15	1.99	2.60B	24
25	3.26B	2.09B	3.66	2.68	2.52	1.84	1.14	0.875E	0.935E	1.16	1.85	2.23B	25
26	4.05B	1.90B	3.50	2.56	2.45	1.55	1.17	0.865E	0.925E	1.25	1.65	1.92B	26
27	2.55B	1.68B	3.29	2.42	2.34	1.43	1.12E	1.00 E	0.920E	1.19	2.07	1.66B	27
28	2.72	1.53B	3.17	2.37	2.20	1.37	1.05E	0.960E	0.910E	1.16	2.71	1.48B	28
29	2.33B		3.13	2.28	2.15	1.63	1.04E	0.930E	1.02 E	1.13	2.31	5.45B	29
30	2.15B		3.23	2.28	2.11	1.96	1.16E	0.895E	1.93	1.07	1.95	9.05	30
31	2.03		3.50		2.05		1.69	0.890E		1.07		6.00B	31
TOTAL	64.65	61.86	171.57	98.73	84.95	55.36	40.87	32.295	29.045	44.08	54.205	76.51	TOTAL
MEAN	2.09	2.21	5.53	3.29	2.74	1.85	1.32	1.04	0.968	1.42	1.81	2.47	MEAN
MAX	5.40	3.99	25.0	5.38	5.98	2.60	2.07	1.72	1.93	3.18	3.96	9.05	MAX
MIN	1.02	1.53	1.13	2.28	2.02	1.36	1.04	0.865	0.855	1.02	0.985	1.48	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.23
MAXIMUM DAILY, 25.0B ON MAR 12
MINIMUM DAILY, 0.855E ON SEP 13
MAXIMUM INSTANTANEOUS,
30.9 AT 18:05 EST ON MAR 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 11 58 N
LONG 079 57 35 W
DRAINAGE AREA, 195 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	5 590	JUL	3 530
FEB	5 340	AUG	2 790
MAR	14 800	SEP	2 510
APR	8 530	OCT	3 810
MAY	7 340	NOV	4 680
JUN	4 780	DEC	6 610

TOTAL DISCHARGE, 70 300 dam³

PINEIMUTA RIVER AT EYES LAKE - STATION NO. 04FA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	D
1	8.30B	6.45B	6.44B	2.82B	92.0B	70.5A	50.7	26.8E	16.4E	22.7E	26.7E	24.8B	
2	8.25B	6.40B	6.39B	2.82B	96.5B	69.0E	50.0	26.4E	16.3E	23.0E	26.6E	24.4B	
3	8.15B	6.35B	6.34B	2.82B	101 B	68.3E	49.6	26.0E	16.3E	23.4A	26.4E	24.0B	
4	8.05B	6.30B	6.28B	2.82B	105	67.7A	48.6	25.4E	16.2E	24.9E	26.3E	23.6B	
5	8.00B	6.25B	4.22B	2.82B	109	67.1	45.7	24.7E	16.2E	25.5E	26.2E	23.3B	
6	7.92B	6.20B	4.14B	2.82B	114	66.7	43.2A	24.2E	16.1E	26.2E	26.0E	23.0B	
7	7.83B	6.15B	4.06B	2.82B	122	69.3	42.5E	23.8E	16.0E	26.7E	25.9E	22.6B	
8	7.74B	6.10B	3.98B	2.82B	129	79.5	42.0E	23.3E	16.0E	27.0E	25.8E	22.2B	
9	7.68B	6.04B	3.90B	2.82B	128	87.6	41.0E	22.8E	16.0E	27.5E	25.7E	21.9B	
10	7.62B	5.97B	3.82B	2.81B	124	91.5	39.8E	22.4E	16.0E	27.8E	25.6E	21.6B	1
11	7.55B	5.90B	3.74B	2.81B	122	94.0	39.0E	22.0E	16.0E	28.0E	25.5E	21.3B	1
12	7.48B	5.83B	3.66B	2.81B	121	96.1	38.3E	21.6E	16.1E	28.3E	25.3E	21.0B	1
13	7.42B	5.76B	3.58B	2.81B	121	97.5	37.6E	21.2E	16.3E	28.4E	25.2E	20.7B	1
14	7.36B	5.69B	3.50B	2.81B	121	97.6	37.0E	20.7E	16.4E	28.6E	25.1E	20.3B	1
15	7.30B	5.63B	3.43B	2.80B	121	97.5	36.4E	20.2E	16.7E	28.6E	25.0E	20.0B	1
16	7.24B	5.56B	3.35B	2.80B	122	94.8	36.0E	19.8E	17.0E	28.7E	24.9E	19.7B	1
17	7.18B	5.49B	3.28B	2.80B	122	90.7	35.5E	19.4E	17.3E	28.7E	24.8E	19.4B	1
18	7.14B	5.42B	3.20B	2.80B	121	87.5	35.0E	19.0E	17.6E	28.6E	24.7E	19.1B	1
19	7.08B	5.35B	3.13B	2.80B	121	86.7	34.4E	18.7E	17.9E	28.5E	24.6E	18.8B	1
20	7.02B	5.28B	3.06B	2.80B	119	85.0	33.7E	18.4E	18.4E	28.4E	24.5E	18.5B	2
21	6.96B	5.20B	3.00B	2.80B	117	81.2	33.2E	18.2E	18.9E	28.2E	25.3E	18.2B	2
22	6.92B	5.13B	2.95B	2.80B	114	76.3	32.7E	18.0E	19.3E	28.0E	26.3E	17.9B	2
23	6.86B	5.06B	2.90B	2.80B	110	71.7	32.2E	17.8E	19.9E	27.8E	26.5E	17.6B	2
24	6.80B	4.98B	2.87B	2.80B	106	67.4	31.6E	17.6E	20.3E	27.6E	26.4E	17.3B	2
25	6.75B	4.90B	2.85B	3.50B	103	63.6	31.0E	17.4E	20.8E	27.5E	26.3E	17.0B	2
26	6.71B	4.82B	2.82B	8.20B	98.6	60.4	30.4E	17.3E	21.2E	27.4E	26.1E	16.8B	2
27	6.67B	4.75B	2.82B	29.5 B	93.8	58.9	29.8E	17.1E	21.4E	27.3E	26.0E	16.5B	2
28	6.63B	4.68B	2.82B	65.0 B	88.5	56.8	29.2E	17.0E	21.7E	27.2E	25.7E	16.2B	2
29	6.60B		2.82B	81.0 B	84.2	54.0	28.6E	16.8E	22.0E	27.1E	25.3E	16.0B	2
30	6.55B		2.82B	86.0 B	79.5	52.3	28.0E	16.6E	22.4E	27.0E	25.1E	15.8B	3
31	6.50B		2.82B		74.1		27.3E	16.4E		26.9E		15.5B	3
TOTAL	226.26	157.64	114.99	340.63	3 400.2	2 307.2	1 150.0	637.0	539.1	841.4	769.8	615.0	TO
MEAN	7.30	5.63	3.71	11.4	110	76.9	37.1	20.5	18.0	27.1	25.7	19.8	ME
MAX	8.30	6.45	6.44	86.0	129	97.6	50.7	26.8	22.4	28.7	26.7	24.8	MA
MIN	6.50	4.68	2.82	2.80	74.1	52.3	27.3	16.4	16.0	22.7	24.5	15.5	MI

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 30.4
MAXIMUM DAILY, 129 ON MAY 08
MINIMUM DAILY, 2.80B ON APR 15
MAXIMUM INSTANTANEOUS,
129 AT 05:58 EST ON MAY 08

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 18 30 N
LONG 088 45 15 W
DRAINAGE AREA, 4 900 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	19 500	JUL	99 400
FEB	13 600	AUG	55 000
MAR	9 940	SEP	46 600
APR	29 400	OCT	72 700
MAY	294 000	NOV	66 500
JUN	199 000	DEC	53 100

TOTAL DISCHARGE, 959 000 dam³

PINEWOOD RIVER NEAR PINEWOOD - STATION NO. 05PC011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	D
1	---	---	0.002B	3.82 B	4.79	1.05	1.79	0.152	0.004	0	---	---	
2	---	---	0.002B	5.43 B	4.11	0.936	1.56	0.113	0.002	0	---	---	
3	---	---	0.002B	5.96 B	3.58	1.59	1.80	0.118	0	0.009	---	---	
4	---	---	0.002B	4.86 B	3.65	3.29	5.75	0.102	0	0.006	---	---	
5	---	---	0.002B	3.70 B	3.63	3.37	5.13	0.089	0	0.004	---	---	
6	---	---	0.002B	2.84 B	3.38	3.87	4.11	0.070	0	0.004	---	---	
7	---	---	0.002B	1.72 B	3.05	3.88	3.72	0.060	0.003	0.003	---	---	
8	---	---	0.002B	1.20 B	2.87	3.79	8.24	0.049	0.004	0.002	---	---	
9	---	---	0.002B	1.04 B	2.62	4.27	11.6	0.050	0.002	0.002	---	---	
10	---	---	0.003B	1.05 B	2.31	3.51	10.6	0.080	0	0.003	---	---	1
11	---	---	0.005B	0.938B	2.18	2.67	7.64	0.080	0	0.003	---	---	1
12	---	---	0.139B	0.871B	2.06	2.40	5.23	0.075	0	0.009	---	---	1
13	---	---	2.10 B	0.804B	2.00	2.49	3.65	0.076	0	0.012	---	---	1
14	---	---	3.00 B	0.785B	2.13	2.09	2.83	0.069	0	0.012	---	---	1
15	---	---	3.88 B	0.658B	2.29	1.62	2.28	0.046	0	0.014	---	---	1
16	---	---	6.54 B	0.484B	2.24	1.37	1.59	0.031	0	0.018	---	---	1
17	---	---	5.80 B	0.437B	2.06	1.42	1.29	0.025	0	0.021	---	---	1
18	---	---	4.83 B	0.444B	3.76	4.76	1.29	0.024	0	0.021	---	---	1
19	---	---	3.72 B	0.566B	4.38	5.50	1.16	0.019	0.002	0.022	---	---	1
20	---	---	3.29 B	0.704B	3.97	5.93	0.826	0.019	0.001	0.023	---	---	2
21	---	---	2.75 B	0.587B	3.29	8.19	0.614	0.017	0	0.021	---	---	2
22	---	---	2.39 B	0.730B	2.80	10.7	0.509	0.012	0.004	0.020	---	---	2
23	---	---	1.94 B	1.21	3.33	11.0	0.478	0.010	0.006	0.019	---	---	2
24	---	---	1.74 B	1.87	3.61	8.86	0.427	0.010	0.004	0.020	---	---	2
25	---	---	1.14 B	3.57	4.01	6.16	0.367	0.010	0.003	0.020	---	---	2
26	---	---	0.809B	4.81	3.12	4.45	0.296	0.010	0.001	0.018	---	---	2
27	---	---	0.587B	8.08	2.71	3.36	0.266	0.008	0.001	0.020	---	---	2
28	---	---	0.512B	6.77	2.30	2.68	0.268	0.003	0	0.030	---	---	2
29	---	---	0.563B	5.57	2.09	2.41	0.285	0.006	0	0.046	---	---	2
30	---		0.953B	5.25	1.71	2.16	0.302	0.005	0	0.046	---	---	3
31	---		2.08 B		1.32		0.213	0.004		0.032		---	3
TOTAL	---	---	48.789	76.758	92.15	119.776	88.081	1.462	0.037	0.480	---	---	TO
MEAN	---	---	1.57	2.56	2.97	3.99	2.84	0.047	0.001	0.016	---	---	ME
MAX	---	---	6.54	8.08	4.79	11.0	11.6	0.152	0.006	0.046	---	---	MA
MIN	---	---	0.002	0.437	1.32	0.936	0.213	0.003	0	0	---	---	MI

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.75
MAXIMUM DAILY, 11.6 ON JUL 09
MINIMUM DAILY, 0 ON SEP 03
MAXIMUM INSTANTANEOUS,
11.9 AT 17:52 CST ON JUL 09

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 45 10 N
LONG 094 14 00 W
DRAINAGE AREA, 461 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 610
FEB	---	AUG	126
MAR	4 220	SEP	3.20
APR	6 630	OCT	41.5
MAY	7 960	NOV	---
JUN	10 300	DEC	---

TOTAL DISCHARGE, 36 900 dam³

PIPESTONE RIVER ABOVE RAINY LAKE - STATION NO. 05PB015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.660B	0.645B	0.760B	5.93	23.8	5.41	7.35	0.836	0.068E	0.007E	0.587E	0.544B	1
2	0.655B	0.645B	0.766B	5.67	23.4	5.94	7.00	0.776	0.060E	0.008E	0.599E	0.541B	2
3	0.650B	0.645B	0.778B	5.62	22.5	11.0	6.70	0.746	0.053E	0.016E	0.608E	0.541B	3
4	0.645B	0.650B	0.790B	5.55	20.5	10.6	6.23	0.780	0.046E	0.031E	0.612E	0.537B	4
5	0.645B	0.650B	0.802B	5.35	18.4	10.2	5.79	0.678	0.040E	0.050E	0.612E	0.537B	5
6	0.641B	0.650B	0.820B	5.14	16.2	10.1	5.42	0.626	0.033E	0.052E	0.608E	0.533B	6
7	0.636B	0.650B	0.832B	4.85	14.4	9.31	5.20	0.579	0.029E	0.054E	0.601E	0.533	7
8	0.636B	0.655B	0.844B	4.71	12.7	9.38	5.12	0.548	0.026E	0.052E	0.603E	0.533B	8
9	0.631B	0.655B	0.862B	4.93	11.0	9.83	4.84	0.495	0.022E	0.049E	0.599E	0.529B	9
10	0.631B	0.655B	0.887B	4.97	9.86	9.08	4.55	0.452	0.019E	0.047	0.595E	0.529B	10
11	0.626B	0.660B	0.920	4.73	9.29	8.32	4.33	0.423	0.016E	0.047	0.595E	0.529B	11
12	0.626B	0.665B	1.11	4.51	8.05	7.76	4.03	0.402	0.034E	0.044	0.591E	0.525B	12
13	0.626B	0.670B	1.39	4.52	7.13	7.05	3.73	0.387	0.046E	0.043	0.587E	0.525B	13
14	0.626B	0.675B	1.81	4.57	6.62	6.38	3.46	0.353	0.054E	0.043	0.587E	0.521B	14
15	0.626B	0.680B	4.04	4.46	6.21	5.91	3.17	0.308	0.045E	0.043	0.583E	0.521B	15
16	0.631B	0.685B	5.77	4.37	6.22	5.29	2.89	0.290	0.036E	0.050	0.580E	0.517B	16
17	0.631B	0.690B	5.48	4.29	6.54	5.15	2.72	0.262	0.029E	0.056	0.580E	0.517B	17
18	0.631B	0.695B	5.40	4.36	6.83	5.48	2.54	0.240	0.022A	0.097	0.576E	0.513B	18
19	0.631B	0.695B	5.31	4.92	6.96	5.92	2.36	0.196	0.021E	0.108	0.576E	0.513B	19
20	0.631B	0.700B	5.24	5.32	6.81	8.37	2.21	0.126	0.020E	0.114	0.572E	0.509B	20
21	0.636B	0.700B	5.47	5.69	6.50	9.19	2.05	0.101	0.019E	0.128	0.568E	0.509B	21
22	0.636B	0.706B	5.69	6.03	6.21	9.17	1.94	0.074	0.018E	0.215	0.568E	0.513B	22
23	0.636B	0.712B	5.68	7.11	6.03	9.01	1.85	0.056A	0.018E	0.229	0.564E	0.513B	23
24	0.636B	0.718B	5.26	7.94	5.85	8.66	1.74	0.050E	0.017E	0.279	0.560E	0.517B	24
25	0.636B	0.724B	4.90	9.25	5.74	8.14	1.58	0.085E	0.016A	0.361	0.560E	0.517B	25
26	0.636B	0.730B	4.69	12.9	5.56	8.03	1.41	0.179E	0.015A	0.420	0.556B	0.521B	26
27	0.636B	0.742B	4.34	16.5	5.41	7.70	1.26	0.145E	0.011E	0.470E	0.556B	0.521B	27
28	0.641B	0.754B	4.09	19.1	5.38	7.63	1.20	0.120E	0.009E	0.502E	0.552B	0.525B	28
29	0.641B		3.99	23.0	5.08	7.76	1.14	0.104E	0.008E	0.533E	0.548B	0.529B	29
30	0.641B		4.29	23.8	4.89	7.70	1.00	0.090E	0.007E	0.552E	0.548B	0.529B	30
31	0.645B		5.38		5.02		0.907	0.077E		0.572E		0.533B	31
TOTAL	19.735	19.101	98.391	230.09	305.06	239.47	105.717	10.584	0.857	5.272	17.433	16.274	TOTAL
MEAN	0.637	0.682	3.17	7.67	9.84	7.98	3.41	0.341	0.029	0.170	0.581	0.525	MEAN
MAX	0.660	0.754	5.77	23.8	23.8	11.0	7.35	0.836	0.068	0.572	0.612	0.544	MAX
MIN	0.626	0.645	0.760	4.29	4.89	5.15	0.907	0.050	0.007	0.007	0.548	0.509	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.93
MAXIMUM DAILY, 23.8 ON APR 30
MINIMUM DAILY, 0.007E ON SEP 30
MAXIMUM INSTANTANEOUS,
24.6 AT 16:55 CST ON APR 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 34 07 N
LONG 092 31 27 W
DRAINAGE AREA, 443 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 710	JUL	9 130
FEB	1 650	AUG	914
MAR	8 500	SEP	74.0
APR	19 900	OCT	456
MAY	26 400	NOV	1 510
JUN	20 700	DEC	1 410

TOTAL DISCHARGE, 92 400 dam³

PIPESTONE RIVER AT KARL LAKE - STATION NO. 04DA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.2 B	9.10B	7.20B	7.60B	109	86.9	63.5	20.7	9.44	15.4	28.6	25.0B	1
2	11.1 B	9.03B	7.13B	7.78B	124	84.2	52.7	19.7	9.46	15.4	28.0	24.6B	2
3	11.0 B	8.97B	7.05B	7.80B	138	79.5	52.7	19.9	9.86	16.4	27.7	24.3B	3
4	10.9 B	8.91B	6.97B	7.78B	148	78.0	51.6	19.4	10.3	18.4	28.4	23.9B	4
5	10.8 B	8.85B	6.90B	7.72B	151	78.5	60.1	19.0	10.3	21.2	28.9	23.5B	5
6	10.7 B	8.77B	6.87B	7.65B	155	80.3	59.1	18.0	11.1	22.6	28.8	23.3B	6
7	10.6 B	8.70B	6.84B	7.58B	158	82.7	57.7	16.8	10.6	23.7	27.9	23.0B	7
8	10.6 B	8.63B	6.81B	7.50B	159	83.8	55.4	15.6	10.0	24.1	27.0	22.7B	8
9	10.5 B	8.56B	6.78B	7.45B	159	85.6	54.5	15.3	9.92	24.5	27.8	22.4B	9
10	10.4 B	8.50B	6.75B	7.40B	159	89.3	54.1	14.8	9.40	24.9	28.2	22.0B	10
11	10.3 B	8.44B	6.80B	7.30B	159	91.7	52.0	14.1	9.22	25.3	27.2	21.8B	11
12	10.2 B	8.38B	6.90B	7.15B	158	94.6	49.4	13.5	9.32	26.3	26.1	21.5B	12
13	10.2 B	8.32B	7.10B	7.00B	157	95.8	47.4	12.4	9.36	27.0	26.1	21.2B	13
14	10.1 B	8.26B	7.25B	6.96	154	96.4	45.7	12.6	9.34	27.2	27.0	20.8B	14
15	10.1 B	8.20B	7.50B	6.88	151	96.4	43.7	12.7	9.94	27.3	27.9	20.6B	15
16	10.0 B	8.14B	7.70B	7.05	148	95.8	40.9	12.5	10.4	27.9	28.2	20.3B	16
17	9.94B	8.08B	7.85B	7.07	145	93.5	39.3	12.0	10.8	28.4	27.4	20.0B	17
18	9.88B	8.02B	7.95B	7.10	142	89.1	37.1	11.9	11.1	28.4	26.7	19.8B	18
19	9.82B	7.95B	8.00B	7.27	140	85.4	36.2	10.8	11.5	28.6	26.6	19.5B	19
20	9.75B	7.88B	8.00B	8.08	134	84.4	34.8	10.4	11.8	28.3	26.5	19.3B	20
21	9.70B	7.81B	8.02B	9.25	131	82.9	33.4	9.71	12.3	28.3	26.4	19.0B	21
22	9.65B	7.74B	8.02B	10.2	127	80.5	31.7	9.35	12.9	28.6	26.2	18.8B	22
23	9.60B	7.67B	8.00B	12.7	124	77.7	30.3	9.20	13.4	29.3	29.7	18.6B	23
24	9.55B	7.60B	7.98B	18.4	120	74.9	29.1	9.04	14.0	29.4	29.6	18.4B	24
25	9.50B	7.54B	7.95B	27.6	117	73.1	28.3	8.87	14.0	29.1	28.2	18.1B	25
26	9.45B	7.46B	7.90B	38.3	113	71.1	27.0	9.04	14.3	29.0	26.8	17.9B	26
27	9.38B	7.38B	7.85B	45.9	109	68.6	25.7	9.47	14.8	29.2	26.4B	17.7B	27
28	9.32B	7.30B	7.80B	53.5	104	67.1	23.8	9.64	15.1	29.2	26.0B	17.5B	28
29	9.26B		7.60B	66.0	99.4	65.2	22.9	9.60	15.4	29.0	25.7B	17.3B	29
30	9.20B		7.40B	89.1	95.3	64.4	21.7	9.40	15.4	29.0	25.3B	17.0B	30
31	9.15B		7.38B		91.0		21.2	9.35		28.9		16.8B	31
TOTAL	311.85	230.19	230.25	519.07	4 178.7	2 477.4	1 312.7	404.77	344.76	800.3	823.3	636.6	TOTAL
MEAN	10.1	8.22	7.43	17.3	135	82.6	42.3	13.1	11.5	25.8	27.4	20.5	MEAN
MAX	11.2	9.10	8.02	89.1	159	96.4	63.5	20.7	15.4	29.4	29.7	25.0	MAX
MIN	9.15	7.30	6.75	6.88	91.0	64.4	21.2	8.87	9.22	15.4	25.3	16.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 33.6
MAXIMUM DAILY, 159 ON MAY 08
MINIMUM DAILY, 6.75B ON MAR 10
MAXIMUM INSTANTANEOUS,
160 AT 19:37 EST ON MAY 11

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 34 50 N
LONG 090 11 20 W
DRAINAGE AREA, 5 960 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	26 900	JUL	113 000
FEB	19 900	AUG	35 000
MAR	19 900	SEP	29 800
APR	44 800	OCT	69 100
MAY	361 000	NOV	71 100
JUN	214 000	DEC	55 000

TOTAL DISCHARGE, 1 060 000 dam³

PORCUPINE RIVER AT HOYLE - STATION NO. 04MD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.28B	1.14B	1.12B	6.60B	43.0	3.94	10.1	7.88	0.799	4.54	14.3	5.82	1
2	1.26B	1.13B	1.12B	7.40B	34.9	3.63	8.99	6.47	0.825	4.38	13.1	5.30	2
3	1.25B	1.13B	1.11B	8.32B	27.5	3.95	7.47	5.04	0.856	4.05	12.0	4.55	3
4	1.24B	1.12B	1.11B	8.80B	21.5	5.72	9.59	3.94	0.823	4.09	11.2	4.13	4
5	1.26B	1.11B	1.10B	9.10B	17.1	6.18	11.4	3.09	0.834	4.33	10.4	3.88	5
6	1.30B	1.11B	1.08B	8.70B	13.8	6.08	10.5	2.57	0.885	4.24	9.25	3.68	6
7	1.36B	1.10B	1.07B	8.30B	11.5	6.30	8.97	2.19	1.13	3.89	8.07	3.51	7
8	1.35B	1.09B	1.08B	8.10B	10.1	5.66	9.42	2.23	0.926	3.65	7.17	3.39	8
9	1.35B	1.09B	1.11B	8.05B	9.14	5.90	14.7	2.34	0.914	3.28	6.89	3.24	9
10	1.35B	1.08B	1.13B	8.05B	10.3	7.25	15.8	2.11	0.973	2.98	6.35	3.17	10
11	1.35B	1.08B	1.16B	8.20B	17.9	6.74	14.5	1.85	1.01	3.55	5.82	2.96	11
12	1.34B	1.07B	1.21B	8.10B	21.8	5.82	12.3	1.69	1.07	4.50	5.34	2.82	12
13	1.33B	1.07B	1.40B	8.00B	22.2	5.16	9.93	1.46	1.15	4.77	5.18	2.70B	13
14	1.32B	1.07B	1.75B	8.40B	19.9	4.68	7.85	1.13	1.41	4.45	4.88	2.65B	14
15	1.30B	1.06B	2.50B	9.00B	17.0	4.14	6.39	0.813	1.76	4.45	4.67	2.58B	15
16	1.29B	1.05B	3.70B	9.30B	14.2	3.54	5.23	0.613	2.02	5.19	4.59	2.52	16
17	1.28B	1.05B	6.00B	9.30B	13.5	3.28	4.33	0.593	1.98	6.06	4.44	2.44	17
18	1.28B	1.04B	12.2 B	9.00B	23.8	5.98	3.90	0.628	2.03	15.6	4.13	2.39B	18
19	1.28B	1.03B	12.5 B	8.90B	29.9	8.93	3.66	0.654	2.09	26.3	3.91	2.31B	19
20	1.27B	1.03B	12.1 B	10.5 B	27.9	7.93	3.17	0.622	2.25	26.3	3.81	2.21B	20
21	1.26B	1.03B	11.2 B	15.0 B	23.9	6.80	2.75	0.561	2.42	26.1	3.81	2.15B	21
22	1.24B	1.07B	10.3 B	20.0 B	19.4	6.73	2.49	0.510	3.60	27.6	5.12	2.08B	22
23	1.21B	1.10B	9.80B	30.7	15.5	7.08	2.21	0.561	4.43	25.7	6.93	2.02B	23
24	1.17B	1.13B	9.30B	41.3	11.7	9.62	1.91	0.574	5.31	26.6	7.17	1.97B	24
25	1.15B	1.14B	8.90B	51.7	11.2	9.50	1.88	0.591	5.79	19.1	6.77	1.92B	25
26	1.14B	1.14B	8.40B	58.7	9.52	8.81	1.73	0.620	6.27	16.1	5.90	1.88B	26
27	1.14B	1.14B	7.80B	65.3	8.13	10.8	1.61	0.639	6.19	13.9	5.93	1.84B	27
28	1.15B	1.13B	7.30B	61.9	7.09	10.2	1.58	0.633	5.69	16.5	6.32	1.80B	28
29	1.15B		6.80B	56.4	6.30	8.81	1.62	0.581	5.14	17.5	6.78	1.76B	29
30	1.16B		6.40B	50.6	5.47	9.31	4.15	0.676	4.77	16.5	6.32	1.73B	30
31	1.16B		6.30B		4.62		8.03	0.752		15.6		1.70B	31
TOTAL	38.97	30.53	158.05	621.72	531.17	198.55	208.23	54.634	75.165	357.80	206.75	87.10	TOTAL
MEAN	1.26	1.09	5.10	20.7	17.1	6.62	6.72	1.76	2.51	11.5	6.89	2.81	MEAN
MAX	1.36	1.14	12.5	65.3	43.0	10.8	15.8	7.88	6.27	27.6	14.3	5.82	MAX
MIN	1.14	1.03	1.07	6.60	4.62	3.28	1.58	0.530	0.799	2.98	3.81	1.70	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.04
MAXIMUM DAILY, 65.3 ON APR 27
MINIMUM DAILY, 0.530 ON AUG 22
MAXIMUM INSTANTANEOUS,
65.8 AT 09:03 EST ON APR 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 33 22 N
LONG 081 03 25 W
DRAINAGE AREA, 401 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 370	JUL	18 000
FEB	2 640	AUG	4 720
MAR	13 700	SEP	6 490
APR	53 700	OCT	30 900
MAY	45 900	NOV	17 900
JUN	17 200	DEC	7 530

TOTAL DISCHARGE, 222 000 dam³

REMARKS - THE FLOW IS CONTINOUSLY AFFECTED BY BEAVER ACTIVITY AND A CONTROL DAM AT TAILINGS (MINE) DUMP SITE

RAINY LAKE NEAR BEAR PASS - STATION NO. 05PB024

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	28.465	28.310	28.154	28.039	28.280	28.566	28.784	28.684A	28.587	28.527	28.438	28.492	1
2	28.466	28.300	28.145	28.034	28.309	28.586	28.782	28.681	28.580	28.515	28.441	28.487A	2
3	28.462	28.298	28.132A	28.029	28.330	28.671	28.784	28.693	28.575	28.533	28.439	28.487A	3
4	28.454	28.292	28.119E	28.026	28.361	28.712	28.772	28.710	28.581	28.532	28.434	28.490A	4
5	28.447	28.288	28.108E	28.021	28.386	28.742	28.757	28.705	28.576	28.521	28.430	28.492	5
6	28.439	28.276	28.097A	28.024	28.408	28.768	28.730	28.701	28.576	28.516	28.436	28.494	6
7	28.444	28.274	28.086	28.026	28.423	28.762	28.724	28.699	28.568	28.509	28.438	28.495	7
8	28.441	28.270	28.075	28.033	28.447	28.762	28.725	28.695	28.565	28.500	28.433	28.493	8
9	28.436	28.262	28.069	28.042	28.467	28.763	28.715	28.692	28.561	28.492	28.443	28.492	9
10	28.428	28.255	28.064	28.045	28.491	28.754	28.699	28.683	28.556	28.483	28.447	28.489	10
11	28.437	28.247	28.057	28.045	28.503	28.744	28.683	28.674	28.556	28.477	28.445	28.489	11
12	28.429	28.243	28.064	28.046	28.512	28.742	28.671	28.667	28.562	28.470	28.440	28.491	12
13	28.417	28.235	28.068	28.049	28.515	28.728	28.659	28.663	28.560	28.460	28.439	28.489	13
14	28.417	28.224	28.068	28.050	28.531	28.709	28.652	28.652	28.565	28.463	28.447	28.486	14
15	28.410	28.220	28.085	28.057	28.538	28.688	28.646	28.641	28.568	28.463	28.452	28.482	15
16	28.404	28.219	28.098	28.069	28.544	28.674	28.644	28.633	28.561	28.453	28.458	28.472	16
17	28.400	28.208	28.100	28.072	28.556	28.672	28.642	28.616	28.555	28.445	28.460	28.465	17
18	28.391	28.207	28.095	28.073	28.557	28.682	28.648	28.600	28.554	28.447	28.459	28.451	18
19	28.385	28.202	28.093	28.078	28.550	28.683	28.648	28.588	28.561	28.430	28.463	28.440	19
20	28.380	28.196	28.097	28.084	28.554	28.695	28.647	28.580	28.558	28.428	28.468	28.446	20
21	28.374	28.194	28.098	28.086	28.551	28.712	28.650	28.578	28.563	28.429	28.479	28.436	21
22	28.372	28.188	28.091	28.092	28.554	28.727	28.651	28.578	28.565	28.418	28.494	28.429	22
23	28.362	28.180	28.081	28.099	28.560	28.736	28.653	28.577	28.561	28.417	28.488	28.415	23
24	28.365	28.171	28.075	28.113	28.560	28.739	28.656A	28.584	28.555	28.414	28.484	28.406	24
25	28.356	28.162	28.068	28.127	28.557	28.741	28.660E	28.588	28.557	28.410	28.482	28.401	25
26	28.345	28.164	28.060	28.145	28.556	28.747	28.663E	28.591	28.551	28.415	28.476	28.390	26
27	28.344	28.164	28.053	28.160	28.549	28.751	28.667E	28.591	28.548	28.423	28.483	28.384	27
28	28.333	28.156	28.049	28.189	28.540	28.756	28.670E	28.592	28.539	28.424	28.487	28.378	28
29	28.329		28.042	28.224	28.535	28.774	28.674E	28.591	28.530	28.424	28.489	28.367	29
30	28.324		28.037	28.251	28.537	28.788	28.677E	28.588	28.526	28.428	28.493	28.350	30
31	28.313		28.038		28.552		28.681E	28.587		28.431		28.342	31
MEAN	28.399	28.229	28.083	28.081	28.494	28.719	28.688	28.636	28.561	28.461	28.459	28.449	MEAN
MAX	28.466	28.310	28.154	28.251	28.560	28.788	28.784	28.710	28.587	28.533	28.494	28.495	MAX
MIN	28.313	28.156	28.037	28.021	28.280	28.566	28.642	28.577	28.526	28.410	28.430	28.342	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 28.440
MAXIMUM DAILY, 28.788 ON JUN 30
MINIMUM DAILY, 28.021 ON APR 05
MAXIMUM INSTANTANEOUS,
28.793 AT 15:23 CST ON JUL 02

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 41 30 N
LONG 092 57 40 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1909

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

RAINY LAKE NEAR FORT FRANCES - STATION NO. 05PB007

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	337.436	337.271	337.101	337.004	337.217	337.508	337.728	337.642	337.543	337.486	337.397	337.457	1
2	337.436	337.267	337.089	337.004	337.251	337.562	337.731	337.644	337.551	337.484	337.387	337.465	2
3	337.430	337.260	337.082	337.003	337.285	337.629	337.746	337.655	337.549	337.499	337.381	337.469	3
4	337.426	337.254	337.075	336.995	337.314	337.654	337.722	337.673	337.551	337.474	337.390	337.471	4
5	337.422	337.245	337.066	336.989	337.337	337.692	337.706	337.666	337.544	337.477	337.399	337.471	5
6	337.419	337.239	337.059	336.994	337.354	337.701	337.694	337.663	337.546	337.476	337.387	337.468	6
7	337.413	337.232	337.050	336.997	337.385	337.704	337.697	337.659	337.542	337.468	337.386	337.467	7
8	337.412	337.225	337.042	337.000	337.409	337.709	337.691	337.653	337.535	337.464	337.390	337.466	8
9	337.405	337.218	337.033	337.009	337.425	337.706	337.664	337.651	337.531	337.454	337.393	337.462	9
10	337.404	337.212	337.028	337.010	337.438	337.704	337.662	337.651	337.523	337.449	337.383	337.462	10
11	337.400	337.206	337.028	337.013	337.449	337.699	337.658	337.642	337.526	337.438	337.392	337.462	11
12	337.395	337.202	337.032	337.015	337.458	337.702	337.640	337.638	337.538	337.429	337.394	337.464	12
13	337.393	337.189	337.033	337.016	337.474	337.681	337.622	337.623	337.543	337.431	337.403	337.463	13
14	337.385	337.185	337.033	337.019	337.487	337.658	337.612	337.615	337.531	337.423	337.413	337.464	14
15	337.375	337.180	337.048	337.024	337.500	337.645	337.605	337.607	337.538	337.409	337.417	337.457	15
16	337.369	337.172	337.064	337.032	337.510	337.638	337.592	337.601	337.529	337.414	337.418	337.450	16
17	337.361	337.168	337.059	337.037	337.512	337.647	337.601	337.602	337.525	337.429	337.422	337.438	17
18	337.355	337.161	337.057	337.040	337.498	337.635	337.584	337.598	337.529	337.404	337.428	337.431	18
19	337.351	337.153	337.058	337.041	337.513	337.644	337.586	337.584	337.525	337.402	337.431	337.422	19
20	337.342	337.149	337.059	337.041	337.511	337.653	337.591	337.561	337.529	337.400	337.443	337.422	20
21	337.339	337.143	337.059	337.045	337.511	337.665	337.592	337.547	337.527	337.378	337.445	337.415	21
22	337.330	337.136	337.054	337.051	337.512	337.680	337.597	337.546	337.530	337.381	337.416	337.407	22
23	337.330	337.128	337.048	337.062	337.514	337.683	337.602	337.549	337.516	337.378	337.410	337.398	23
24	337.323	337.120	337.044	337.071	337.517	337.688	337.610	337.551	337.517	337.376	337.434	337.389	24
25	337.317	337.117	337.035	337.083	337.516	337.691	337.620	337.556	337.516	337.375	337.435	337.379	25
26	337.313	337.117	337.029	337.101	337.509	337.696	337.628	337.561	337.514	337.375	337.460	337.375	26
27	337.303	337.112	337.025	337.125	337.501	337.703	337.636	337.560	337.509	337.375	337.461	337.368	27
28	337.301	337.109	337.018	337.151	337.503	337.719	337.640	337.551	337.507	337.368	337.455	337.355	28
29	337.296		337.013	337.176	337.492	337.729	337.647	337.551	337.507	337.384	337.462	337.341	29
30	337.284		337.007	337.200	337.489	337.735	337.645	337.554	337.501	337.387	337.465	337.331	30
31	337.281		337.004		337.496		337.641	337.555		337.394		337.323	31
MEAN	337.366	337.185	337.046	337.045	337.448	337.672	337.645	337.604	337.529	337.422	337.417	337.426	MEAN
MAX	337.436	337.271	337.101	337.200	337.517	337.735	337.746	337.673	337.551	337.499	337.465	337.471	MAX
MIN	337.281	337.109	337.004	336.989	337.217	337.508	337.584	337.546	337.501	337.368	337.381	337.323	MIN

WATER LEVELS IN METRES

MEAN, 337.402
MAXIMUM DAILY, 337.746 ON JUL 03
MINIMUM DAILY, 336.989 ON APR 05
MAXIMUM INSTANTANEOUS,
337.771 AT 19:12 CST ON JUN 25

WATER LEVELS ARE REFERRED TO UNITED STATES COAST AND GEODETIC SURVEY DATUM

SUMMARY FOR THE YEAR 1990

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 38 30 N
LONG 093 20 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1909

RAINY RIVER AT FORT FRANCES - STATION NO. 05PC019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	96.7	145	127	240	121	358	638	299	133	121	103	114	1
2	117	142	159	241	134	363	650	299	139	116	104	114	2
3	134	146	174	243	140	365	712	300	99.5	121	103	113	3
4	129	143	176	239	136	411	763	297	106	121	105	105	4
5	128	146	176	185	145	524	764	301	125	122	105	106	5
6	129	144	176	143	145	775	761	300	126	104	94.7	138	6
7	129	144	176	144	146	804	755	297	124	121	81.6	152	7
8	130	144	177	144	168	802	753	301	125	121	84.8	152	8
9	129	146	159	145	199	803	753	274	125	121	86.8	141	9
10	130	144	128	145	240	806	754	253	116	133	85.7	152	10
11	138	144	129	143	326	805	752	271	109	120	123	153	11
12	143	145	127	144	356	806	744	269	109	121	95.8	143	12
13	144	143	130	140	356	799	692	269	108	121	80.6	160	13
14	144	142	128	128	357	772	604	269	109	122	96.9	187	14
15	145	145	127	61.9	411	669	600	254	107	120	94.4	202	15
16	145	144	132	83.9	628	641	542	247	109	119	95.1	211	16
17	144	142	177	136	690	639	468	247	108	119	94.7	211	17
18	145	143	179	144	688	585	482	246	108	109	94.3	209	18
19	145	145	174	145	688	514	438	247	109	116	93.9	209	19
20	147	144	175	140	683	532	380	192	108	120	94.2	210	20
21	145	143	201	137	686	518	382	125	107	120	100	224	21
22	148	144	233	137	684	529	381	108	107	121	107	244	22
23	144	145	240	127	688	531	347	109	108	110	109	244	23
24	147	145	242	120	686	532	273	108	126	106	108	229	24
25	147	143	242	122	686	531	275	107	128	105	108	175	25
26	146	143	241	124	686	525	275	109	122	105	109	195	26
27	147	143	242	123	669	533	277	108	122	114	113	241	27
28	145	142	240	120	653	529	278	126	120	105	114	243	28
29	143		243	122	602	538	277	135	121	102	115	243	29
30	145		242	122	470	609	275	149	120	103	115	231	30
31	146		242		356		296	134		102		214	31
TOTAL	4 294.7	4 029	5 734	4 388.8	13 623	18 148	16 341	6 750	3 483.5	3 581	3 014.5	5 675	TOTAL
MEAN	139	144	185	146	439	605	527	218	116	116	100	183	MEAN
MAX	148	146	243	243	690	806	764	301	139	133	123	244	MAX
MIN	96.7	142	127	61.9	121	358	273	107	99.5	102	80.6	105	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 244
MAXIMUM DAILY, 806 ON JUN 10
MINIMUM DAILY, 61.9 ON APR 15

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 48 36 30 N
LONG 093 24 00 W
DRAINAGE AREA, 38 600 km²

REGULATED SINCE 1909

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	371 000	JUL	1 410 000
FEB	348 000	AUG	583 000
MAR	495 000	SEP	301 000
APR	379 000	OCT	309 000
MAY	1 180 000	NOV	260 000
JUN	1 570 000	DEC	490 000

TOTAL DISCHARGE, 7 700 000 dam³

RAINY RIVER AT MANITOU RAPIDS - STATION NO. 05PC018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	142B	164B	159B	314	354	473	779	337	164	145	143	137B	1
2	127B	164B	164B	320	371	456	767	340	165	146	144	137B	2
3	142B	164B	184B	331	388	490	813	343	165	146	147	139B	3
4	153B	164B	198B	343	382	572	861	343	131	146	146	136B	4
5	153B	164B	198B	340	371	694	864	343	135	149	145	127B	5
6	153B	164B	198B	293	360	903	850	340	148	146	143	127B	6
7	153B	164B	198B	256	345	1 040	833	340	151	137	130	159B	7
8	153B	164B	198B	246	328	1 050	824	340	151	144	115	170B	8
9	153B	164B	198B	241	351	1 040	816	337	151	149	116	170B	9
10	153B	164B	184B	234	357	1 010	833	309	151	152	121	170B	10
11	153B	164B	150B	233	408	968	844	300	142	161	115	170B	11
12	159B	164B	150B	233	467	932	838	300	134	156	135	170B	12
13	164B	159B	150B	233	484	906	816	303	131	153	124	161B	13
14	164B	159B	150B	227	481	875	739	303	132	151	108	178B	14
15	164B	159B	170B	209	484	827	697	300	132	151	120	214B	15
16	164B	159B	198B	143	600	770	668	289	134	151	126	221B	16
17	164B	159B	255B	162	728	748	586	282	134	148	126	228B	17
18	164B	159B	340B	213	767	739	552	281	132	149	125	228B	18
19	164B	159B	340B	229	776	674	544	280	133	142	124	227B	19
20	164B	159B	311B	230	776	682	481	277	133	147	124	227B	20
21	164B	159B	297B	221	773	779	447	245	134	154	124	229B	21
22	164B	159B	311B	218	767	867	439	183	137	157	123B	241B	22
23	164B	159B	340B	218	767	903	436	147	136	157	130B	256B	23
24	164B	159B	340B	210	776	898	379	140	134	150	133B	259B	24
25	164B	159B	326B	215	782	861	340	138	146	146	136B	246B	25
26	164B	159B	311B	227	782	813	331	137	154	146	132B	198B	26
27	164B	159B	311B	246	773	765	328	137	146	148	130B	221B	27
28	164B	159B	311B	270	753	733	326	137	145	159	130B	259B	28
29	164B		311	300	733	714	326	149	145	149	136B	261B	29
30	164B		309	328	671	719	326	161	146	145	136B	261B	30
31	164B		311		541		326	163		144		249B	31
TOTAL	4 910	4 512	7 571	7 473	17 696	23 901	19 011	8 024	4 272	4 624	3 887	6 176	TOTAL
MEAN	158	161	244	249	571	797	613	259	142	149	130	199	MEAN
MAX	164	164	340	343	782	1 050	864	343	165	161	147	261	MAX
MIN	127	159	150	143	328	456	326	137	131	137	108	127	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 307
MAXIMUM DAILY, 1 050 ON JUN 08
MINIMUM DAILY, 108 ON NOV 14
MAXIMUM INSTANTANEOUS,
1 060 AT 09:00 CST ON JUN 08

SUMMARY FOR THE YEAR 1990

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 38 04 N
LONG 093 54 47 W
DRAINAGE AREA, 50 200 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	424 000	JUL	1 640 000
FEB	390 000	AUG	693 000
MAR	654 000	SEP	369 000
APR	646 000	OCT	400 000
MAY	1 530 000	NOV	336 000
JUN	2 070 000	DEC	534 000

TOTAL DISCHARGE, 9 690 000 dam³

RAISIN RIVER AT BLACK RIVER - STATION NO. 02MC027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	2.06	2.13	---	---	---	---	---	---	---	1
2	---	---	---	3.77	1.50	---	---	---	---	---	---	---	2
3	---	---	---	6.35	1.19	---	---	---	---	---	---	---	3
4	---	---	---	18.6	0.955	---	---	---	---	---	---	---	4
5	---	---	---	23.8	1.32	---	---	---	---	---	---	---	5
6	---	---	---	14.3	2.60	---	---	---	---	---	---	---	6
7	---	---	0.531B	5.56	2.21	---	---	---	---	---	---	---	7
8	---	---	0.457B	3.46	1.69	---	---	---	---	---	---	---	8
9	---	---	0.445B	2.58	1.55	---	---	---	---	---	---	---	9
10	---	---	0.469B	4.23	1.82	---	---	---	---	---	---	---	10
11	---	---	1.18 B	7.03	5.84	---	---	---	---	---	---	---	11
12	---	---	3.00 B	5.65	4.46	0.756A	---	---	---	---	---	---	12
13	---	---	5.80 B	4.68	2.82	---	---	---	---	---	---	---	13
14	---	---	7.92 B	6.93	2.21	---	---	---	---	---	---	---	14
15	---	---	8.20 B	11.8	1.61	---	---	---	---	---	---	---	15
16	---	---	9.60 B	9.36	1.34	---	---	---	---	---	---	---	16
17	---	---	13.6 B	6.47	2.71	---	---	---	---	---	---	---	17
18	---	---	18.9 B	5.33	8.38	---	---	---	---	---	---	---	18
19	---	---	10.9 B	3.48	4.92	---	---	---	---	---	---	---	19
20	---	---	5.80 B	2.83	3.10	---	---	---	---	---	---	---	20
21	---	---	4.54	7.14	6.10	---	---	---	---	---	---	---	21
22	---	---	4.01	6.20	4.57	---	---	---	---	---	---	---	22
23	---	---	5.18	4.25	2.91	---	---	---	---	---	---	---	23
24	---	---	4.29	3.13	2.20	---	---	---	---	---	---	---	24
25	---	---	2.72	2.57	1.59	---	---	---	---	---	---	---	25
26	---	---	2.23	2.92	1.10	---	---	---	---	---	---	---	26
27	---	---	1.64	2.77	0.981	---	---	---	---	---	---	---	27
28	---	---	1.37	2.26	0.726	---	---	---	---	---	---	---	28
29	---	---	1.07	1.99	0.618	---	---	---	---	---	---	---	29
30	---		0.971	2.29	0.557	---	---	---	---	---	---	---	30
31	---		1.07		0.490		---	---		---		---	31
TOTAL	---	---	---	183.59	76.097	---	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	6.12	2.45	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	23.8	8.38	---	---	---	---	---	---	---	MAX
MIN	---	---	---	1.99	0.490	---	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM INSTANTANEOUS,
25.0 AT 06:14 EST ON APR 05

REMARKS - SEASONAL OPERATION (FEB 15 - MAY 15)

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 04 52 N
LONG 074 52 07 W
DRAINAGE AREA, 129 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	---
APR	15 900	OCT	---
MAY	6 570	NOV	---
JUN	---	DEC	---

RAISIN RIVER NEAR WILLIAMSTOWN - STATION NO. 02MC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.489B	3.81B	4.02B	5.64	5.89	1.46	1.72	0.399E	0.430E	1.20	2.21	4.34	1
2	0.485B	3.60B	3.70B	8.77	4.88	1.25	1.67	0.429E	0.345E	2.85	2.19	3.83	2
3	0.483B	3.35B	3.30B	14.9	3.99	1.20	1.89	0.370E	0.225E	2.43	1.96	3.35	3
4	0.484B	3.10B	3.02B	58.7	3.50	1.18	1.57	0.288E	0.212E	2.09	1.86	3.77	4
5	1.68 B	2.82B	2.76B	64.8	3.55	1.18	1.57	0.352E	0.229A	2.75	1.94	8.26B	5
6	1.95 B	2.71B	2.62B	51.3	6.18	1.18	2.17	0.500E	0.180	3.52	4.21	9.29B	6
7	1.62 B	2.60B	2.20B	25.4	6.16	1.06	2.05	0.561E	0.200	2.87	7.93	7.98	7
8	1.38 B	2.52B	1.98B	12.3	5.25	0.892	1.48	0.501E	0.215	2.21	6.71	6.38	8
9	1.30 B	12.2 B	1.84B	8.76	4.43	0.843	1.18	0.437E	0.198	1.81	5.24	5.49	9
10	1.23 B	18.7 B	2.01B	10.7	4.13	0.912	0.953	0.350E	0.171	2.98	4.71	5.95	10
11	1.16 B	13.0 B	4.40B	18.6	7.18	1.77	0.781	0.272E	0.223	4.84	5.88	5.68B	11
12	1.17 B	9.80B	10.5 B	16.8	9.62	2.23	0.657	0.259E	0.214	5.51	5.64	4.66B	12
13	1.10 B	8.25B	18.0 B	13.3	7.13	1.78	0.537	0.352E	0.182	9.33	4.13B	4.18B	13
14	1.05 B	16.8 B	23.3 B	18.6	5.65	1.37	0.453	0.323E	0.160	15.1	3.73B	3.91B	14
15	1.00 B	14.1 B	25.5 B	32.3	4.68	1.17	0.412	0.500E	0.152	13.2	3.27	3.29B	15
16	0.981B	8.20B	36.1 B	31.5	4.00	1.03	0.402	0.580E	0.147	8.95	3.24	2.75B	16
17	0.961B	6.50B	53.5 B	21.3	4.33	0.911	0.385	0.477E	0.161	6.26	5.22	2.35	17
18	12.4 B	5.22B	60.0 B	16.7	15.9	0.901	0.371	0.580E	0.112	5.15	6.84	2.34	18
19	12.5 B	4.17B	46.4 B	11.6	14.4	0.950	0.369	0.556E	0.097	5.66	5.84	5.14	19
20	7.20 B	3.40B	27.1 B	9.13	9.56	1.03	0.458A	0.930E	0.096	6.01	4.67	5.00B	20
21	5.20 B	3.20B	15.6	15.9	12.6	1.08	0.806A	0.820E	0.103	5.07	3.96	3.81B	21
22	3.90 B	3.30B	12.7	18.8	13.7	1.20	1.11 A	0.468A	0.110	4.19	3.69	13.2	22
23	3.35 B	17.8 B	14.8	13.3	9.11	1.56	1.96 A	0.390E	0.127	3.83	4.81	47.9	23
24	3.10 B	18.0 B	14.4	10.0	6.73	2.66	5.25 A	0.350E	0.129	3.64	6.89	52.6	24
25	3.60 B	14.8 B	9.65	8.18	5.32	4.81	5.42	0.292E	0.114	3.29	6.40	38.4 B	25
26	8.70 B	9.30B	7.57	8.55	4.30	6.88	3.63	0.257E	0.116	3.06	5.65	23.1	26
27	8.50 B	6.72B	5.77	8.75	3.43	5.08	2.40	0.234E	0.115	2.97	5.27	12.2 B	27
28	7.20 B	5.13B	4.69	7.52	2.72	3.27	1.67	0.239E	0.115	2.72	6.25	8.53B	28
29	5.70 B		4.29	6.31	2.26	2.30	1.23	0.225E	0.125	2.55	6.69	8.57B	29
30	5.05 B		3.88	6.05	1.94	1.91	1.03 A	0.605E	0.504	2.50	5.57	55.0	30
31	4.10 B		3.87		1.68		0.870E	0.535E		2.40		51.6 B	31
TOTAL	109.023	223.10	429.47	554.46	194.20	55.049	46.454	13.435	5.517	140.94	142.60	412.85	TOTAL
MEAN	3.52	7.97	13.9	18.5	6.26	1.84	1.50	0.433	0.184	4.55	4.75	13.3	MEAN
MAX	12.5	18.7	60.0	64.8	15.9	6.88	5.42	0.930	0.504	15.1	7.93	55.0	MAX
MIN	0.483	2.52	1.84	5.64	1.68	0.843	0.369	0.229	0.096	1.20	1.86	2.34	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.38
MAXIMUM DAILY, 64.8 ON APR 05
MINIMUM DAILY, 0.096 ON SEP 20
MAXIMUM INSTANTANEOUS,
70.6 AT 17:57 EST ON APR 04

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 09 19 N
LONG 074 38 18 W
DRAINAGE AREA, 404 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 420	JUL	4 010
FEB	19 300	AUG	1 160
MAR	37 100	SEP	477
APR	47 900	OCT	12 200
MAY	16 800	NOV	15 300
JUN	4 760	DEC	35 700

TOTAL DISCHARGE, 201 000 dam³

REMARKS - DRAINAGE AREA AND FLOWS ARE REFERRED TO CONTROL AT LAT. 45 09 10 LONG. 74 37 31

RAWDON CREEK NEAR WEST HUNTINGDON - STATION NO. 02HK008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.475B	0.765B	0.950B	1.68E	2.13 E	0.891E	0.439	0.235	0.081	0.140E	0.350E	0.400E	1
2	0.505B	0.740B	0.890B	1.67E	1.72 E	0.869E	0.409	0.270	0.080	0.128E	0.335E	0.390E	2
3	0.450B	0.710B	0.835B	1.21E	1.37 E	0.867E	0.365	0.215	0.082	0.115E	0.320E	0.380E	3
4	0.530B	0.680B	0.790B	1.31E	1.24 E	0.881E	0.319	0.149	0.075	0.134E	0.305E	1.10 E	4
5	0.680B	0.665B	0.745B	3.84E	1.22 E	0.806E	0.308	0.163	0.077	0.230E	0.290E	1.67 B	5
6	0.650B	0.645B	0.715B	1.90E	1.27 E	0.605A	0.263	0.268	0.092	0.164E	0.370E	1.37	6
7	0.630B	0.625B	0.688B	1.52E	1.30 E	0.573	0.232	0.208	0.091	0.146E	0.400E	1.28	7
8	0.615B	0.620B	0.655B	1.03E	1.55 E	0.526	0.214	0.167	0.081	0.135E	0.400E	1.24	8
9	0.590B	0.980B	0.620B	2.67E	1.65 E	0.611	0.325	0.130	0.081	0.164E	0.395E	1.23 B	9
10	0.585B	1.65 B	0.590B	2.57E	1.55 E	0.719	0.248	0.110	0.084	0.294E	0.410E	1.22 B	10
11	0.611B	1.15 B	1.30 B	3.14E	1.58 E	0.623	0.217	0.102	0.085	0.332E	0.430E	1.26 B	11
12	0.545B	0.880B	1.60 B	3.44E	1.45 E	0.598	0.203	0.101	0.085	0.345E	0.420E	1.19 B	12
13	0.495B	0.795B	2.35 B	3.37E	1.37 E	0.488	0.187	0.198	0.073	0.343E	0.395E	1.04 B	13
14	0.450B	1.15 B	3.80 B	3.35E	1.33 E	0.472	0.172	0.281	0.080	0.305E	0.345E	0.914B	14
15	0.410B	1.30 B	5.60 E	3.10E	1.16 A	0.477	0.242	0.225	0.072	0.260E	0.360E	0.799B	15
16	0.390B	1.55 B	5.26 E	3.13E	1.15 E	0.435	0.385	0.205	0.088	0.213E	0.395E	0.766B	16
17	0.585B	1.35 B	4.98 E	3.10E	1.33 E	0.411	0.274	0.178	0.081	0.210E	0.390E	0.730B	17
18	2.65 B	0.990B	4.73 E	2.86E	1.82 E	0.401	0.238	0.163	0.071	0.290E	0.377E	0.940	18
19	2.00 B	0.875B	4.07 E	2.43E	1.93 E	0.382	0.198	0.215	0.068	0.405E	0.362E	1.27 B	19
20	1.35 B	0.795B	3.68 E	2.31E	2.14 E	0.366	0.223	0.161	0.066	0.375E	0.350E	1.15 B	20
21	0.930B	0.780B	2.91 A	2.41E	2.64 E	0.370	0.205	0.124	0.068	0.345E	0.360A	1.10 B	21
22	0.860B	0.950B	3.05 E	2.42E	2.70 E	0.392	0.185	0.109	0.064	0.313E	0.390E	1.84 B	22
23	0.770B	4.30 B	3.02 E	2.26E	2.48 E	0.416	0.560	0.108	0.094	0.310E	0.420E	2.00 B	23
24	0.900B	2.80 B	2.83 E	2.12E	2.15 E	0.417	0.442	0.105	0.062	0.355E	0.410E	2.90 B	24
25	1.20 B	1.80 B	2.61 E	2.42E	1.89 E	0.372	0.345	0.111	0.063	0.335E	0.400E	2.50 B	25
26	1.90 B	1.35 B	2.41 E	2.73E	1.65 E	0.338	0.256	0.110	0.068	0.320E	0.390E	2.20 B	26
27	1.25 B	1.22 B	2.10 E	2.70E	1.40 E	0.343	0.219	0.104	0.068	0.310E	0.408E	1.80 B	27
28	1.00 B	1.12 B	1.88 E	2.54E	1.25 E	0.294	0.232	0.102	0.067	0.368E	0.440E	1.65 B	28
29	1.05 B		1.68 E	2.35E	1.14 E	0.379	0.267	0.100	0.070	0.370E	0.430E	2.20 B	29
30	0.920B		1.54 E	2.19E	1.05 E	0.480	0.232	0.088	0.120E	0.372E	0.420E	3.80 B	30
31	0.785B		1.63 E		0.942E		0.208	0.087		0.370E		3.50 B	31
TOTAL	26.761	31.235	77.588	82.57	49.552	15.802	8.615	4.892	2.337	8.496	11.467	45.829	TOTAL
MEAN	0.863	1.12	2.50	2.75	1.60	0.527	0.278	0.158	0.078	0.274	0.382	1.48	MEAN
MAX	2.65	2.80	5.80	3.90	2.70	0.891	0.560	0.281	0.120	0.405	0.440	3.80	MAX
MIN	0.390	0.620	0.590	1.67	0.942	0.294	0.172	0.087	0.062	0.115	0.290	0.380	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.00
MAXIMUM DAILY, 5.80E ON MAR 14
MINIMUM DAILY, 0.062 ON SEP 24

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 20 18 N
LONG 077 28 39 W
DRAINAGE AREA, 86.7 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 310	JUL	744
FEB	2 700	AUG	423
MAR	6 700	SEP	202
APR	7 130	OCT	734
MAY	4 780	NOV	991
JUN	1 370	DEC	3 960

TOTAL DISCHARGE, 31 500 dam³

REDHILL CREEK AT ALBION FALLS - STATION NO. 02HA023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.161B	0.694	0.275	0.222	0.129	0.117	0.098	0.076	0.107	0.105	0.083	0.101	1
2	0.092B	0.678	0.389	0.820	0.123	0.114	0.079	0.074	0.095	0.097	0.078	0.096	2
3	0.127	0.329B	0.338	0.433	0.121	0.485	0.075	0.076	0.086	0.073	0.081	0.659	3
4	0.974	0.280B	0.214B	0.602	0.330	0.260	0.084	0.074	0.083	0.577	0.097	1.54	4
5	0.514	0.247B	0.173B	0.358	0.384	0.121	0.156	0.118	0.101	0.100	1.91	0.378	5
6	0.335	0.377	0.154B	0.257	0.143	0.119	0.200	0.156	0.099	0.082	1.01	0.263	6
7	0.244	0.518	0.141B	0.212	0.129	0.109	0.079	0.086	0.149	0.075	0.232	0.239	7
8	0.231	1.90	0.201	0.182	0.118	0.293	0.111	0.070	0.079	0.200	0.157	0.274	8
9	0.445	4.64	0.307	0.161	0.111	0.119	0.968	0.071	0.080	0.969	0.172	0.373	9
10	0.858	0.941	0.813	1.79	0.194	0.110	0.105	0.072	0.244	0.373	0.169	0.360	10
11	0.507	0.444	3.24	1.57	0.103	0.100	0.091	0.926	0.077	0.380	0.157	0.215	11
12	0.357	0.326	4.91	0.397	0.165	0.099	0.092	0.844	0.074	1.43	0.127	0.193	12
13	0.237	0.471	4.20	0.292	1.97	0.095	0.080	1.16	0.070	0.657	0.107	0.183B	13
14	0.180	0.521	1.78	0.447	0.354	0.092	0.105	0.181	0.777	0.261	0.098	0.145	14
15	0.236	0.289	0.750	0.335	0.256	0.090	0.697	0.115	0.152	0.192	0.094	0.159	15
16	0.391	0.315	0.531	0.249	2.53	0.093	0.116	0.100	0.098	0.146	0.143	0.414	16
17	4.74	0.270B	0.429	0.355	1.81	0.089	0.109	0.089	0.079	0.230	0.095	0.198	17
18	5.16	0.229B	0.337	0.201	0.727	0.199	0.088	0.354	0.074	0.342	0.087	0.916	18
19	0.678	0.201B	0.304B	0.182	0.375	0.121	0.086	1.94	0.138	0.142	0.083	0.598	19
20	0.414	0.181B	0.262B	0.519	2.14	0.084	0.382	0.216	0.080	0.130	0.077	0.263	20
21	0.317B	0.178B	0.240B	0.432	0.980	0.081	0.094	0.160	0.076	0.122	0.078	0.879	21
22	0.289B	1.70 B	0.289B	0.256	0.410	0.313	0.424	0.124	0.084	0.204	0.203	1.16	22
23	0.260	5.76	0.328	0.210	0.303	0.188	0.192	0.102	0.078	0.117	0.157	5.24	23
24	0.912	1.30	0.229	0.180	0.240	0.088	0.100	0.097	0.068	0.107	0.111	0.713B	24
25	0.710	0.548B	0.196B	0.179	0.202	0.079	0.091	0.091	0.076	0.100	0.094	0.366B	25
26	0.732	0.372B	0.177B	0.159	0.182	0.079	0.084	0.083	0.079	0.089	0.087	0.264B	26
27	0.332	0.309B	0.168	0.154	0.166	0.179	0.083	0.110	0.066	0.097	0.518	0.210B	27
28	0.334	0.252B	0.162	0.152	0.151	0.076	0.084	2.10	0.069	0.110	0.162	0.216	28
29	0.266		0.153	0.148	0.270	0.222	0.086	0.263	0.120	0.087	0.119	11.3	29
30	0.265		0.404	0.143	0.136	0.081	0.088	0.155	0.633	0.083	0.106	6.33	30
31	0.231		0.252		0.130		0.078	0.126		0.081		1.00	31
TOTAL	21.529	24.478	22.346	11.797	15.382	4.315	5.205	10.209	4.091	7.758	6.692	35.245	TOTAL
MEAN	0.695	0.874	0.721	0.393	0.496	0.144	0.168	0.329	0.136	0.250	0.223	1.14	MEAN
MAX	5.16	5.76	4.91	1.79	2.53	0.485	0.968	2.10	0.777	1.43	1.91	11.3	MAX
MIN	0.092	0.178	0.141	0.143	0.103	0.076	0.075	0.070	0.066	0.073	0.077	0.096	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.463
MAXIMUM DAILY, 11.3 ON DEC 29
MINIMUM DAILY, 0.066 ON SEP 27
MAXIMUM INSTANTANEOUS,
23.4 AT 13:16 EST ON DEC 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 12 01 N
LONG 079 49 33 W
DRAINAGE AREA, 23.5 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 860	JUL	450
FEB	2 110	AUG	882
MAR	1 930	SEP	353
APR	1 020	OCT	670
MAY	1 330	NOV	578
JUN	373	DEC	3 050

TOTAL DISCHARGE, 14 600 dam³

REDHILL CREEK AT HAMILTON - STATION NO. 02HA014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.339B	0.996	0.527B	0.349	0.166	0.168	0.178	0.081	0.128	0.233	0.084	0.121	1
2	0.175B	1.55	0.725B	1.31	0.140	0.160	0.093	0.075	0.107	0.115	0.104	0.111	2
3	0.192	0.726B	0.632B	0.840	0.134	0.690	0.084	0.073	0.093	0.087	0.101	0.545	3
4	2.22	0.548B	0.432B	1.35	0.404	0.397	0.103	0.074	0.099	0.692	0.111	2.48	4
5	1.22	0.449B	0.338B	0.611	0.690	0.170	0.234	0.127	0.175	0.132	2.01	0.696	5
6	0.769	0.687	0.280B	0.410	0.210	0.162	0.280	0.121	0.118	0.096	1.68	0.516	6
7	0.564	0.943	0.247B	0.325	0.228	0.141	0.081	0.113	0.204	0.095	0.469	0.566	7
8	0.490	2.52	0.314B	0.274	0.146	0.519	0.217	0.062	0.086	0.335	0.289	0.618	8
9	0.693	6.61	0.476B	0.230	0.136	0.158	1.43	0.065	0.097	1.32	0.225	0.592	9
10	1.81	1.84	1.12	2.01	0.330	0.132	0.124	0.076	0.604	0.807	0.291	0.652	10
11	1.15	0.955	4.16	2.51	0.131	0.122	0.106	0.719	0.124	0.728	0.221	0.331	11
12	0.821	0.671	6.40	0.737	0.144	0.125	0.103	0.950	0.095	1.69	0.183	0.268	12
13	0.483	0.810	6.16	0.484	1.67	0.115	0.085	1.81	0.084	1.26	0.139	---	13
14	0.357	1.10	2.80	0.700	0.768	0.105	0.130	0.263	0.981	0.573	0.125	---	14
15	0.432	0.606B	1.48	0.571	0.377	0.097	0.915	0.140	0.321	0.402	0.121	---	15
16	0.592	0.655	1.05	0.373	3.78	0.100	0.135	0.116	0.141	0.270	0.196	---	16
17	6.31	0.541B	0.828	0.544	3.06	0.107	0.145	0.101	0.106	0.379	0.127	---	17
18	7.78	0.497B	0.620	0.312	1.44	0.313	0.098	0.218	0.089	0.533	0.102	---	18
19	1.37	0.405B	0.558B	0.257	0.701	0.147	0.089	2.63	0.185	0.219	0.096	---	19
20	0.821	0.339B	0.490B	0.619	3.17	0.102	0.514	0.381	0.095	0.152	0.090	---	20
21	0.585B	0.392B	0.452B	0.736	2.30	0.108	0.103	0.314	0.083	0.139	0.089	---	21
22	0.488B	11.7	0.484B	0.358	0.879	0.393	0.437	0.163	0.095	0.285	0.253	---	22
23	0.424	9.19	0.617	0.288	0.579	0.335	0.331	0.122	0.083	0.128	0.177	---	23
24	1.35	2.68	0.354	0.246	0.423	0.120	0.131	0.105	0.070	0.119	0.188	---	24
25	1.23	1.34 B	0.304B	0.218	0.343	0.091	0.140	0.093	0.075	0.106	0.113	---	25
26	1.26	0.956B	0.268B	0.218	0.296	0.092	0.140	0.083	0.087	0.096	0.098	---	26
27	0.610	0.726B	0.243	0.208	0.260	0.271	0.118	0.148	0.073	0.092	0.738	---	27
28	0.637	0.548B	0.229	0.204	0.224	0.087	0.098	3.35	0.070	0.121	0.252	---	28
29	0.450		0.211	0.183	0.451	0.392	0.098	0.455	0.108	0.085	0.156	---	29
30	0.443		0.660	0.167	0.208	0.096	0.110	0.215	0.992	0.081	0.129	---	30
31	0.378		0.389		0.182		0.092	0.154		0.078		---	31
TOTAL	36.643	50.980	33.848	17.642	25.970	6.015	6.942	13.397	5.668	11.448	8.957	---	TOTAL
MEAN	1.18	1.82	1.09	0.588	0.838	0.201	0.224	0.432	0.189	0.369	0.299	---	MEAN
MAX	7.78	11.7	6.40	2.51	3.78	0.690	1.43	3.35	0.992	1.69	2.01	---	MAX
MIN	0.175	0.339	0.211	0.167	0.131	0.087	0.081	0.062	0.070	0.078	0.084	---	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 0.062 ON AUG 08

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 13 56 N
LONG 079 47 08 W
DRAINAGE AREA, 60.9 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 170	JUL	600
FEB	4 400	AUG	1 160
MAR	2 920	SEP	490
APR	1 520	OCT	989
MAY	2 240	NOV	774
JUN	520	DEC	---

REESOR CREEK ABOVE GREEN RIVER - STATION NO. 02HC039

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.170B	0.242B	0.310B	0.427	0.256	0.138	0.536	0.115	0.111	0.288	0.200	0.265	1
2	0.165B	0.238B	0.287B	0.628	0.216	0.145	0.270	0.107	0.109	0.216	0.193	0.254	2
3	0.159B	0.234B	0.330B	0.746	0.187	0.199	0.192	0.105	0.106	0.173	0.194	0.302B	3
4	0.210B	0.230B	0.405B	1.90	0.191	0.234	0.155	0.109	0.107	0.381	0.207	0.775B	4
5	0.350B	0.223B	0.310B	1.16	0.229	0.162	0.142	0.133	0.198	0.368	0.478	0.605	5
6	0.220B	0.221B	0.260B	0.663	0.263	0.170	0.135	0.126	0.143	0.255	0.976	0.517	6
7	0.160B	0.220B	0.250B	0.471	0.239	0.151	0.124	0.119	0.130	0.213	0.469	0.428	7
8	0.153B	1.06	0.240B	0.411	0.229	0.169	0.129	0.131	0.114	0.215	0.370	0.384	8
9	0.149B	2.52	0.280B	0.403	0.221	0.190	0.317	0.140E	0.120	0.653	0.316	0.371	9
10	0.340B	0.920	0.378	1.36	0.223	0.160	0.173	0.132E	0.134	0.665	0.319	0.425	10
11	0.350B	0.486B	3.25	1.54	0.299	0.169	0.146	0.126	0.120	0.526	0.298	0.343	11
12	0.150B	0.337	8.57	0.704	0.235	0.139	0.135	0.117	0.114	1.12	0.304	0.322	12
13	0.137B	0.579	5.04	0.499	0.245	0.175	0.141	0.666	0.110	1.38	0.289	0.647	13
14	0.120B	0.580	2.78	0.526	0.299	0.217	0.148	0.447	0.165	0.613	0.282	0.416B	14
15	0.130B	0.420B	1.65	0.635	0.245	0.206	0.317	0.817	0.261	0.394	0.331	0.334	15
16	0.150B	0.350B	1.38	0.543	0.243	0.158	0.234	1.13	0.155	0.299	0.355	0.307	16
17	1.18 B	0.290B	1.12	0.811	0.490	0.134	0.196	0.427	0.135	0.769	0.320	0.281	17
18	4.12 B	0.260B	0.758	0.501	0.467	0.129	0.174	0.352	0.123	0.731	0.254	0.592	18
19	0.513B	0.240B	0.482	0.433	0.312	0.115	0.163	0.274	0.133	0.616	0.246	0.608	19
20	0.298B	0.230B	0.429	0.494	0.483	0.093	0.237	0.202	0.140	0.424	0.246	0.353	20
21	0.270B	0.520B	0.436	0.838	0.789	0.115	0.187	0.182	0.127	0.345	0.244	0.526	21
22	0.260B	1.19 B	0.623	0.580	0.405	0.117	0.176	0.168	0.133	0.290	0.506	1.51	22
23	0.258B	0.700B	1.05	0.493	0.290	0.181	0.358	0.155	0.139	0.267	0.545	3.45	23
24	0.299	0.520B	0.543	0.442	0.233	0.206	0.200	0.131	0.138	0.236	0.410	0.964B	24
25	0.890	0.400B	0.399	0.417	0.204	0.147	0.175	0.129	0.128	0.230	0.404	0.580B	25
26	0.840	0.350B	0.376	0.395	0.184	0.126	0.158	0.128	0.210	0.219	0.356	0.400B	26
27	0.561	0.400B	0.298B	0.371	0.206	0.113	0.145	0.119	0.157	0.200	0.365	0.330B	27
28	0.814	0.440B	0.330	0.349	0.221	0.108	0.129	0.149	0.136	0.272	0.384	0.500B	28
29	0.426		0.309	0.333	0.167	0.316	0.133	0.124	0.163	0.230	0.323	1.00 B	29
30	0.298B		0.363	0.320	0.157	0.551	0.144	0.116	0.436	0.219	0.277	2.29	30
31	0.257B		0.432		0.147		0.148	0.115		0.207		0.944B	31
TOTAL	14.397	14.400	33.668	18.993	8.575	5.253	6.017	7.491	4.495	13.014	10.461	21.023	TOTAL
MEAN	0.464	0.514	1.09	0.633	0.277	0.175	0.194	0.242	0.150	0.420	0.349	0.678	MEAN
MAX	4.12	2.52	8.57	1.54	0.789	0.551	0.536	1.13	0.436	1.38	0.976	3.45	MAX
MIN	0.120	0.220	0.240	0.320	0.147	0.093	0.124	0.105	0.106	0.173	0.193	0.254	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MEAN, 0.432
MAXIMUM DAILY, 8.57 ON MAR 12
MINIMUM DAILY, 0.093 ON JUN 20
MAXIMUM INSTANTANEOUS,
12.4 AT 02:11 EST ON MAR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 56 07 N
LONG 079 12 03 W
DRAINAGE AREA, 38.3 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 240	JUL	520
FEB	1 240	AUG	647
MAR	2 910	SEP	388
APR	1 640	OCT	1 120
MAY	741	NOV	904
JUN	454	DEC	1 820

TOTAL DISCHARGE, 13 600 dam³

RIDEAU RIVER ABOVE SMITHS FALLS - STATION NO. 02LA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.69	11.7A	27.1	15.4	27.0	---	---	---	---	---	8.70	8.63	1
2	5.69	12.7A	31.0	15.4A	26.9	---	---	---	---	---	8.83	8.53	2
3	5.75	12.7A	33.6	15.4A	26.6	---	---	---	---	---	8.81	6.17	3
4	5.78	12.7A	35.3	15.4A	26.5 A	---	---	---	---	---	8.88	5.08	4
5	5.72	12.7A	32.5	29.2A	24.0 A	---	---	---	---	---	8.74	4.61	5
6	5.77	12.7A	31.7	32.1A	23.7 A	---	---	---	---	---	8.86	5.18	6
7	5.79	12.7A	28.4	32.1A	23.5 A	---	---	---	---	---	8.94	5.25	7
8	5.77	12.7	20.6	32.0A	23.6 A	---	---	---	---	---	8.88	5.31	8
9	5.81	12.8	15.1	32.0A	24.0 A	---	---	---	---	---	8.78	5.29	9
10	5.82	13.0	13.5	31.9A	29.2 A	---	---	---	---	---	8.82	6.70	10
11	5.76	13.0	12.2	31.9A	38.7 A	---	---	---	---	---	8.88	7.70	11
12	5.83	13.2	11.4 A	31.9A	42.0 A	---	---	---	---	---	8.80	9.13	12
13	5.85	13.0	11.4 A	31.9A	41.0 A	---	---	---	---	---	10.2	9.81	13
14	5.91	12.9	6.53A	31.8A	40.4 A	---	---	---	---	---	11.9	9.97	14
15	5.90	12.9	0 A	31.8A	19.6 A	---	---	---	---	13.4 A	11.9	10.1	15
16	5.89	12.9	0 A	31.8A	8.24A	---	---	---	---	13.4 A	11.9	10.0	16
17	5.81	13.0	0 A	31.7A	---	---	---	---	---	13.4 A	11.7	9.96	17
18	6.01	13.0	0 A	31.7A	---	---	---	---	---	15.0 A	11.7	9.91	18
19	6.08	14.5	0 A	31.7A	---	---	---	---	---	16.0 A	11.7	10.1	19
20	6.10	17.2	3.36A	28.6	---	---	---	---	---	15.9 A	11.6	10.3	20
21	6.11	17.2	15.5 A	26.4	---	---	---	---	---	15.8 A	11.6	10.3	21
22	5.98	17.4	23.2 A	26.5	---	---	---	---	---	15.7 A	11.6	10.7	22
23	7.29	17.4	24.6 A	26.3	---	---	---	---	---	13.9 A	11.8	12.3	23
24	8.59	17.4	24.4 A	26.3	---	---	---	---	---	12.8 A	12.1	13.3	24
25	8.76	17.4	24.3	26.3	---	---	---	---	---	9.53	12.1	13.5	25
26	9.46	17.3	24.1	26.5	---	---	---	---	---	6.80	11.8	19.6	26
27	11.0	19.5	24.1	26.8	---	---	---	---	---	6.40	11.7	27.4	27
28	11.0	23.8	24.0	26.5	---	---	---	---	---	6.44	11.6	35.2	28
29	11.0		22.2	26.4	---	---	---	---	---	6.48	11.5	37.9	29
30	11.0		17.6	26.5	---	---	---	---	---	7.71	9.67	39.6	30
31	11.1		15.3		---		---	---	---	8.66		43.5	31
TOTAL	218.02	409.2	550.89	834.2	---	---	---	---	---	---	313.99	421.23	TOTAL
MEAN	7.03	14.6	17.8	27.8	---	---	---	---	---	---	10.5	13.6	MEAN
MAX	11.1	23.8	33.6	32.1	---	---	---	---	---	---	12.1	43.5	MAX
MIN	5.69	11.7	0	15.4	---	---	---	---	---	---	8.70	4.61	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MAXIMUM INSTANTANEOUS,
46.1 AT 10:09 EST ON DEC 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 53 26 N
LONG 076 03 45 W
DRAINAGE AREA, 1 290 km²
A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	18 800	JUL	---
FEB	35 400	AUG	---
MAR	47 600	SEP	---
APR	72 100	OCT	---
MAY	---	NOV	27 100
JUN	---	DEC	36 400

REMARKS - SEASONAL OPERATION (OCT-MAY APPROX.)

RIDEAU RIVER AT OTTAWA - STATION NO. 02LA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	12.5B	36.5B	43.5B	71.1	49.4	21.7	10.8	9.71	6.46	22.6	23.3	33.2	1
2	12.0B	33.8B	42.6B	62.7	51.8	17.8	10.4	8.36	6.15	20.8	22.2	31.8	4
3	11.3B	30.8B	42.0B	61.7	53.8	19.4	10.5	7.89	5.73	17.3	21.8	31.6	4
4	11.9B	29.9B	38.2B	149	44.3	18.6	10.6	7.73	5.60	20.1	21.6	31.0	4
5	12.6B	27.7B	46.0B	222	53.0	18.6	10.7	7.88	5.76	22.1	22.5	28.3	5
6	12.1B	30.9B	54.0B	211	59.2	21.1	10.7	9.37	5.66	20.1	33.3	30.5	6
7	12.0B	30.8B	51.7B	181	54.0	20.8	10.7	7.92	5.70	16.5	45.6	35.0	5
8	12.0B	30.1B	49.0B	157	58.3	21.5	10.3	7.44	5.24	18.2	44.3	31.4	6
9	12.7B	32.0B	45.0B	124	61.0	24.3	10.2	7.68	5.32	21.0	40.6	32.3	9
10	17.5B	58.2B	41.0B	140	63.4	25.9	9.76	7.17	5.61	28.6	40.1	37.1	10
11	15.1B	53.0B	35.5B	155	78.5	21.5	8.34	5.34	6.57	32.6	38.8	38.7B	11
12	14.7B	55.4B	35.2B	171	81.6	15.7	6.35	5.02	6.28	33.9	37.2	38.5	12
13	14.7B	53.2B	110 B	164	81.4	11.8	6.14	8.72	6.17	37.9	34.0	43.8	13
14	14.6B	58.8B	170 B	153	81.9	11.9	6.15	9.79	6.28	48.1	31.9	44.1B	14
15	14.2B	65.0B	169 B	146	82.5	14.3	6.92	8.04	6.28	43.5	31.6	37.8B	15
16	13.3B	57.5B	195 B	144	74.3	19.0	7.06	7.97	6.02	43.8	34.7	35.4	16
17	12.7B	52.0B	242	146	55.6	19.2	6.73	8.05	5.54	45.4	34.9	32.8B	17
18	33.0B	45.1B	259	126	48.6	17.0	6.79	9.10	5.50	39.6	36.8	32.3	18
19	38.0B	42.2B	234	115	48.9	15.3	6.74	8.21	5.92	41.7	36.3	39.3	19
20	28.0B	38.0B	203	105	58.7	13.8	11.5	6.75	6.46	38.9	37.5	42.4B	20
21	28.2B	33.0B	161	103	81.5	13.6	9.12	7.01	5.82	37.6	36.1	40.8B	21
22	27.1B	30.7B	151	111	103	13.8	10.5	6.52	8.07	32.4	35.7	42.6	22
23	25.8B	35.5B	158	116	109	13.7	17.2	5.75	9.33	33.5	38.7	97.1	23
24	25.0B	66.0B	159	114	105	15.6	20.2	5.11	8.31	34.6	41.4	154	24
25	26.0B	68.0B	133	93.6	67.9	14.2	18.0	4.85	7.37	33.8	41.3	136	25
26	38.0B	64.2B	113	92.4	43.3	13.7	17.0	5.14	6.42	31.6	40.5	128	26
27	38.2B	56.0B	104	105	48.9	13.6	13.0	5.25	6.28	29.0	43.1	126	27
28	38.6B	52.0B	92.3	104	45.9	11.3	9.83	7.98	6.11	33.8	39.4	118	28
29	39.4B		82.0	91.8	41.6	11.2	10.1	9.28	8.89	51.2	35.5	109	29
30	41.5B		70.6	70.3	37.8	11.6	9.92	6.59	18.7	43.4	35.8	156	30
31	38.3B		71.6		28.2		11.1	6.22		24.3		169	31
TOTAL	694.0	1 266.3	3 422.2	3 807.6	1 952.3	501.5	323.35	227.84	203.55	997.9	1 056.5	1 983.8	TOT
MEAN	22.4	45.2	110	127	63.0	16.7	10.4	7.35	6.79	32.2	35.2	64.0	MEA
MAX	41.5	68.0	259	222	109	25.9	20.2	9.79	18.7	51.2	45.6	169	MAX
MIN	11.3	27.7	35.5	61.7	28.2	11.2	6.14	4.85	5.24	16.5	21.6	28.3	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 45.0
MAXIMUM DAILY, 259 ON MAR 18
MINIMUM DAILY, 4.85 ON AUG 25
MAXIMUM INSTANTANEOUS,
264 AT 03:58 EST ON MAR 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 22 54 N
LONG 075 41 52 W
DRAINAGE AREA, 3 830 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	60 000	JUL	27 900
FEB	109 000	AUG	19 700
MAR	296 000	SEP	17 600
APR	329 000	OCT	86 200
MAY	169 000	NOV	91 300
JUN	43 300	DEC	171 000

TOTAL DISCHARGE, 1 420 000 dam³

RIDEAU RIVER BELOW MANOTICK - STATION NO. 02LA012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	11.3	33.2	43.4B	60.1	62.4	17.0	9.57	8.24	5.23	13.4	15.3	23.9	1
2	10.9	31.5B	44.1	42.6	55.3	14.3	9.50	7.32	4.99	12.1	15.4	23.3	3
3	10.2	28.1B	44.5B	55.3	45.4	16.5	9.43	7.02	4.82	10.9	15.3	23.9	3
4	10.9	28.1B	34.4B	120	39.3	14.7	9.48	6.82	4.91	14.4	15.2	22.7	4
5	11.5B	25.3B	55.3	174	46.8	16.5	9.45	6.72	4.85	15.9	17.8	21.1	5
6	10.8B	28.2	54.2B	164	52.3	18.5	9.51	6.45	5.02	14.6	26.7	25.1	6
7	10.8B	28.4	49.7B	149	47.3	18.3	9.49	6.54	4.86	13.2	31.1	24.8	6
8	10.8B	26.8	46.5B	129	53.3	19.7	9.45	6.64	4.83	13.3	29.6	25.8	8
9	14.1B	40.0	45.7	108	54.7	21.7	9.23	6.41	4.80	15.9	28.9	25.8	9
10	15.9B	47.9	37.0	125	60.1	22.5	8.88	5.25	4.96	19.0	29.0	30.1	10
11	14.6B	48.4	35.6	130	68.9	18.4	7.38	4.47	5.07	21.7	27.9	30.4	11
12	13.9B	50.6	36.6	140	75.2	13.1	5.48	5.00	5.08	22.2	26.6	33.7	12
13	12.7B	49.0	102	137	74.7	10.2	5.41	7.60	5.00	24.0	25.3	36.7	13
14	12.6B	60.5	132	131	75.8	10.3	5.53	7.82	5.19	28.7	23.3	34.9	14
15	12.4B	62.0	126	120	76.8	13.7	5.72	6.95	5.14	27.3	24.6	30.1	15
16	11.7	53.7	145	126	67.8	16.6	6.23	6.90	4.89	32.7	26.9	29.3	16
17	13.1	47.3B	176	121	49.1	16.1	6.10	6.93	4.83	31.9	26.4	25.4	17
18	33.0	40.7B	192	105	38.4	14.2	6.40	6.56	4.85	27.8	28.3	29.2	18
19	33.5B	39.4B	176	97.0	37.4	12.6	5.92	6.25	5.11	25.0	29.5	35.4	19
20	25.7B	33.6	157	86.0	48.0	11.7	6.77	6.25	4.91	23.3	30.2	36.4B	20
21	25.7B	28.3	126	84.7	67.8	11.4	7.25	6.07	4.96	23.7	28.7	32.4	21
22	25.7B	26.7	124	93.6	90.3	11.8	8.06	5.18	6.96	24.1	28.3	41.1	22
23	24.1B	50.6	135	102	100	11.9	12.4	4.39	7.14	24.6	28.8	94.3	23
24	22.7	63.6B	137	92.5	97.6	12.3	14.2	4.50	6.35	27.1	29.5	123	24
25	22.6	63.2B	109	73.6	58.4	12.1	13.8	4.61	5.43	26.7	29.9	116	25
26	34.1	58.2B	96.1	81.0	36.3	12.3	12.8	4.79	4.90	24.6	31.8	113	26
27	34.7	50.3B	86.8	91.7	42.3	11.5	9.26	4.85	4.92	21.9	33.1	112	27
28	34.8	47.1B	76.9	82.9	39.6	10.3	8.37	5.18	4.95	18.3	25.6	107	28
29	35.0		64.4	73.6	36.1	9.83	8.37	5.41	6.92	16.8	25.8	95.5	29
30	38.0		60.5	66.9	33.5	9.75	8.31	5.24	11.9	15.5	25.8	135	30
31	35.4		61.0		24.9		9.31	5.17		15.5		144	31
TOTAL	633.2	1 190.7	2 828.7	3 162.5	1 755.8	429.78	267.06	187.53	163.77	644.1	780.6	1 678.3	TOT
MEAN	20.4	42.5	91.2	105	56.6	14.3	8.61	6.05	5.46	20.8	26.0	54.1	MEA
MAX	38.0	63.6	192	174	100	22.5	14.2	8.24	11.9	32.7	33.1	144	MAX
MIN	10.2	25.3	34.4	42.6	24.9	9.75	5.41	4.39	4.80	10.9	15.2	21.1	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 37.6
MAXIMUM DAILY, 192 ON MAR 18
MINIMUM DAILY, 4.39 ON AUG 23
MAXIMUM INSTANTANEOUS,
197 AT 07:27 EST ON APR 05

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 14 54 N
LONG 075 42 17 W
DRAINAGE AREA, 3 120 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	54 700	JUL	23 100
FEB	103 000	AUG	16 200
MAR	244 000	SEP	14 100
APR	273 000	OCT	55 700
MAY	152 000	NOV	67 400
JUN	37 100	DEC	145 000

TOTAL DISCHARGE, 1 190 000 dam³

RIDEAU RIVER BELOW MERRICKVILLE - STATION NO. 02LA011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.02	23.6	32.3	30.5	44.8	13.0	8.40	6.82	6.45	5.80	11.0	17.5	1
2	7.97	22.7B	37.1	22.4	37.1	13.0	8.23	6.92	6.50	9.99	11.0	17.5	2
3	8.01	20.7B	40.9	29.9	32.3	13.5	10.0	6.86	6.59	13.4	11.0	15.4	3
4	8.12	20.5	44.0	49.9	33.7	13.7	10.6	6.87	6.37	11.1	11.0	9.65	4
5	8.11	20.4B	44.2	70.9	36.7	14.7	10.4	6.89	6.25	12.9	10.7	8.63	5
6	8.10	20.2	43.2	74.0	37.6	14.5	10.1	6.82	6.29	14.1	11.9	10.8	6
7	8.14	20.4	41.5	74.4	36.3	19.0	8.66	6.74	6.17	11.6	15.3	7.33	7
8	11.1	20.5	34.4	68.8	39.4	19.4	8.54	6.66	6.27	11.5	17.2	12.7	8
9	14.6	20.9	27.0	64.6	39.4	20.4	8.47	6.67	6.32	11.4	18.5	14.2	9
10	11.0	24.9	21.2	65.2	41.9	18.8	8.39	6.83	6.22	12.8	17.1	15.4	10
11	10.9	27.3	18.0	63.8	49.8	13.4	7.71	6.57	6.19	12.3	17.0	19.1	11
12	10.8	29.2	20.2	69.6	54.2	10.7	6.72	6.25	6.05	14.3	17.1	23.1	12
13	10.7	31.0	34.6	68.0	53.8	10.6	6.59	6.88	6.15	17.2	16.4	24.1	13
14	10.5	33.0	45.0	66.2	56.4	9.19	6.63	7.77	6.11	18.7	14.9	22.1	14
15	9.14	34.2	45.2	63.7	58.1	11.7	6.81	7.49	6.05	21.3	18.4	19.8	15
16	8.79	33.2	45.5	65.4	36.4	11.9	7.38	6.63	6.02	26.3	18.6	19.8	16
17	8.78	30.8B	55.5	62.3	19.5	11.9	7.73	6.54	5.92	21.5	19.0	19.7	17
18	13.5	30.3B	69.3	59.5	23.0	11.5	7.89	6.05	5.96	16.5	19.0	19.9	18
19	17.8	26.4	64.7	57.5	25.2	11.7	7.77	6.65	6.07	14.8	18.9	21.5	19
20	16.7	18.9B	56.8	49.3	33.4	10.6	8.43	6.60	5.96	16.7	19.1	24.7	20
21	17.5	18.5	47.0	47.4	39.4	10.7	11.2	6.81	6.00	20.2	20.8	24.6	21
22	17.4	21.9	45.9	53.0	58.4	10.6	9.52	6.84	5.95	20.4	19.6	24.9	22
23	14.3	26.5	56.6	54.2	64.4	10.9	11.7	6.83	6.06	22.1	19.1	27.5	23
24	13.3	27.9	57.0	48.6	60.2	10.7	12.9	6.92	5.96	21.4	21.2	40.9	24
25	15.9	36.4	55.2	44.4	37.2	10.4	13.3	7.66	6.29	20.3	21.3	54.5	25
26	18.7	34.7	50.4	50.7	31.0	10.7	12.0	6.93	5.83	18.4	20.1	59.9	26
27	22.1	34.7	47.6	54.6	31.8	10.6	10.6	7.99	5.87	14.7	17.8	59.2	27
28	22.1	32.7	44.5	49.4	31.5	10.6	10.1	6.86	5.85	12.3	15.8	48.3	28
29	21.9		40.5	45.3	28.4	9.41	8.81	6.36	5.89	11.2	17.4	51.4	29
30	21.6		37.7	45.9	19.9	8.37	8.66	6.70	6.34	10.9	17.5	63.4	30
31	22.4		36.1		15.0		7.87	6.41		11.0		74.6	31
TOTAL	417.98	755.4	1 339.1	1 669.4	1 208.2	376.17	282.07	213.65	183.95	477.09	503.7	872.11	TOTAL
MEAN	13.5	27.0	43.2	55.6	39.0	12.5	9.10	6.89	6.13	15.4	16.8	28.1	MEAN
MAX	22.4	37.9	69.3	74.4	64.4	20.4	13.3	8.05	6.59	26.3	21.3	74.6	MAX
MIN	7.97	18.5	18.0	22.4	15.0	8.37	6.59	6.25	5.83	5.80	10.7	7.33	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 22.7
MAXIMUM DAILY, 74.6 ON DEC 31
MINIMUM DAILY, 5.80 ON OCT 01
MAXIMUM INSTANTANEOUS,
83.8 AT 23:59 EST ON DEC 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 57 05 N
LONG 075 49 05 W
DRAINAGE AREA, 1 920 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	36 100	JUL	24 400
FEB	65 300	AUG	18 500
MAR	116 000	SEP	15 900
APR	144 000	OCT	41 200
MAY	104 000	NOV	43 500
JUN	32 500	DEC	75 400

TOTAL DISCHARGE, 717 000 dam³

RIVIERE BEAUDETTE NEAR GLEN NEVIS - STATION NO. 02MC026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.141B	1.86B	2.38 B	2.35	2.39	0.561	0.471	0.187	0.045	0.633	0.783	2.09	1
2	0.161B	1.72B	2.12 B	3.13	2.17	0.477	0.321	0.156	0.041	0.526	0.720	1.79	2
3	0.185B	1.60B	1.88 B	4.89	1.85	0.461	0.348	0.126	0.038	0.535	0.691	1.37 B	3
4	0.210B	1.50B	1.70 B	14.2	1.59	0.465	0.421	0.168	0.038	0.825	0.677	1.40 B	4
5	0.738B	1.32B	1.40 B	15.8	1.59	0.460	0.313	0.077	0.043	1.42	0.674	2.36 B	5
6	0.871B	1.25B	1.18 B	16.2	2.26	0.455	0.259	0.077	0.037	1.17	1.24	2.51 B	6
7	0.760B	1.20	1.10 B	14.4	2.32	0.403	0.225	0.088	0.049	1.29	1.74	2.36	7
8	0.660B	1.19	1.01 B	10.8	2.06	0.335	0.191	0.095	0.063	1.38	1.67	2.20	8
9	0.600B	3.15	0.925B	6.73	1.80	0.301	0.173	0.101	0.057	0.895	1.67	2.07	9
10	0.551B	5.13	0.980B	5.27	1.64	0.379	0.153	0.088	0.045	1.23	1.65	2.11 B	10
11	0.520B	3.90B	2.55 B	5.52	1.75	0.776	0.129	0.081	0.046	1.33	1.94	2.07 B	11
12	0.485B	3.73B	4.35 B	5.41	1.77	0.773	0.111	0.071	0.052	1.69	1.80	1.86 B	12
13	0.455B	3.81B	5.54 B	5.30	1.67	0.611	0.101	0.075	0.046	2.94	1.48	1.60 B	13
14	0.430B	4.60B	6.42 B	6.48	1.50	0.502	0.086	0.090	0.045	3.65	1.71	1.44 B	14
15	0.410B	4.00B	7.40 B	9.04	1.32	0.415	0.078	0.121	0.038	3.29	1.50	1.29 B	15
16	0.395B	3.30B	12.8 B	8.93	1.16	0.357	0.068	0.125	0.035	3.22	1.46	1.10 B	16
17	0.380B	2.75B	17.2 B	9.08	1.43	0.299	0.063	0.111	0.027	3.03	2.03	0.992	17
18	3.28 B	2.31B	20.4 B	8.03	3.22	0.344	0.070	0.113	0.031	2.73	2.09	0.972	18
19	3.08 B	2.00B	16.6 B	6.41	3.29	0.440	0.067	0.142	0.033	2.41	1.94	2.00	19
20	2.70 B	1.68B	15.9	5.22	3.31	0.420	0.083	0.171	0.045	1.94	1.77	1.89 B	20
21	2.35 B	1.51B	11.9	5.91	3.65	0.383	0.133	0.124	0.031	1.64	1.57	1.57 B	21
22	2.06 B	1.53B	8.16	5.79	3.47	0.410	0.183	0.122	0.041	1.52	1.42	2.46 B	22
23	1.75 B	4.14B	7.11	5.54	3.06	0.594	0.600	0.045	0.061	1.40	1.82	10.5	23
24	1.60 B	4.31B	5.78	5.22	2.67	1.03	1.13	0.073	0.091	1.44	2.07	10.7	24
25	1.70 B	4.00B	5.22	4.69	2.17	0.895	0.871	0.072	0.065	1.17	2.20	10.9	25
26	2.95 B	3.65B	4.62	4.39	1.70	0.990	0.938	0.067	0.054	1.12	2.29	11.4	26
27	2.70 B	3.30B	3.31 B	3.88	1.35	0.848	0.842	0.054	0.053	1.10	2.23	11.6	27
28	2.52 B	3.03B	2.63 B	3.49	1.07	0.672	0.561	0.046	0.058A	1.00	2.47	9.79	28
29	2.40 B		2.37	3.21	0.912	0.536	0.435	0.053	0.049A	0.928	2.47	5.83	29
30	2.26 B		2.09	2.65	0.803	0.496	0.296	0.049	0.109A	0.854	2.42	12.0 B	30
31	2.08 B		1.99		0.683		0.235	0.059		0.807		11.1 B	31
TOTAL	41.382	77.47	179.015	207.96	61.628	16.088	10.355	3.027	1.476	49.113	50.195	133.324	TOTAL
MEAN	1.33	2.77	5.77	6.93	1.99	0.536	0.334	0.098	0.049	1.58	1.67	4.30	MEAN
MAX	3.28	5.13	20.4	16.2	3.65	1.03	1.13	0.187	0.109	3.65	2.47	12.0	MAX
MIN	0.141	1.19	0.925	2.35	0.683	0.299	0.063	0.045	0.027	0.526	0.674	0.972	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.28
MAXIMUM DAILY, 20.4B ON MAR 18
MINIMUM DAILY, 0.027 ON SEP 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 16 27 N
LONG 074 29 37 W
DRAINAGE AREA, 124 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 580	JUL	895
FEB	6 690	AUG	262
MAR	15 500	SEP	128
APR	18 000	OCT	4 240
MAY	5 320	NOV	4 340
JUN	1 390	DEC	11 500

TOTAL DISCHARGE, 71 800 dam³

RIVIERE DELISLE NEAR ALEXANDRIA - STATION NO. 02MC028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.108B	0.962B	1.05 B	1.40	1.42 A	0.302	0.219	0.123	0.137	1.93	0.708	1.16	1
2	0.116B	0.920B	0.930B	1.95	1.23 A	0.295	0.285	0.102	0.093	1.30	0.533	1.02	2
3	0.127B	0.882B	0.800B	3.21	1.01 A	0.305	0.277	0.089	0.070	0.962	0.435	0.819	3
4	0.140B	0.845B	0.710B	10.1	0.902A	0.296	0.206	0.077	0.057	1.08	0.443	1.25	4
5	0.460B	0.802B	0.655B	13.6	0.916A	0.284	0.193	0.075	0.049	1.57	0.511	1.50	5
6	0.761B	0.774B	0.608B	8.82	1.34 A	0.270	0.167	0.090	0.040	1.28	0.991	1.41	6
7	0.738B	0.655B	0.500B	3.90	1.19 A	0.248	0.107	0.117	0.039	0.905	1.78	1.28	7
8	0.600B	0.665B	0.401B	2.67	0.972A	0.309	0.090	0.166	0.036	0.685	1.42	1.17	8
9	0.501B	1.35 B	0.395B	2.10	0.831A	0.325	0.103	0.168	0.057	0.938	1.10	1.06	9
10	0.438B	3.20 B	0.435B	2.44	0.863	0.314	0.091	0.128	0.046	1.76	1.00	1.07	10
11	0.385B	2.70 B	0.740B	3.25	1.70	0.550	0.076	0.096	0.046	1.64	1.26	0.970B	11
12	0.357B	2.00 B	1.79 B	5.89	1.65	0.367	0.096	0.074	0.049	1.58	1.20	0.850B	12
13	0.363B	1.61 B	2.89 B	4.61	1.25	0.302	0.076	0.081	0.038	3.01	0.886	0.760B	13
14	0.330B	1.43 B	4.06 B	4.03	1.04	0.250	0.052	0.125	0.031	4.31	0.784	0.677B	14
15	0.271B	2.26 B	4.95 B	6.57	0.815	0.248	0.049	0.147	0.035	3.04	0.746	0.617B	15
16	0.244B	1.60 B	6.97	6.20	0.705	0.202	0.045	0.150	0.034	1.91	0.928	0.560B	16
17	0.307B	1.63 B	11.9	4.40	1.08	0.149	0.050	0.167	0.024	1.40	1.58	0.529	17
18	3.00 B	1.49 B	15.3	3.52	3.63	0.158	0.072	0.135	0.023	1.39	1.69	0.604	18
19	3.51 B	1.30 B	11.4	2.55	2.81	0.156	0.085	0.130	0.025	1.62	1.19	1.39	19
20	2.30 B	1.11 B	5.89	2.16	2.18	0.126	0.227	0.161	0.035	1.44	1.04	1.26 B	20
21	1.33 B	0.917B	4.70	4.04	2.54	0.130	0.530	0.167	0.050	1.11	0.941	1.22 B	21
22	1.12 B	1.10 B	4.25	3.83	2.14	0.162	0.377	0.186	0.052	1.02	0.873	2.15	22
23	1.00 B	2.90 B	5.54	2.76	1.55	0.246	0.963	0.088	0.046	0.999	1.49	7.24	23
24	0.892B	3.16 B	4.82	2.13	1.24	0.500	1.36	0.071	0.035	0.718	1.79	9.26	24
25	0.905B	2.30 B	2.91	1.82	0.990	0.521	0.894	0.071	0.039	0.677	1.46	7.76	25
26	1.56 B	1.59 B	2.26	1.88	0.833	0.492	0.552	0.059	0.039	0.850	1.40	4.48	26
27	1.81 B	1.40 B	1.85	1.75	0.679	0.327	0.367	0.048	0.035	0.718	1.32	2.77	27
28	1.66 B	1.30 B	1.57	1.51	0.559	0.338	0.268	0.065	0.025	0.663	2.22	2.41	28
29	1.39 B		1.13	1.37	0.487	0.208	0.206	0.074	0.039	0.602	1.84	3.16	29
30	1.19 B		1.05	1.36	0.357	0.209	0.148	0.107	0.381	0.653	1.36	9.01	30
31	1.00 B		1.02		0.322		0.136	0.118		0.583		9.53	31
TOTAL	28.921	43.852	102.974	110.82	39.231	8.589	8.367	3.455	1.705	42.343	34.919	78.946	TOTAL
MEAN	0.933	1.57	3.32	3.69	1.27	0.286	0.270	0.112	0.057	1.37	1.16	2.55	MEAN
MAX	3.51	3.20	15.3	13.6	3.63	0.550	1.36	0.186	0.381	4.31	2.22	9.53	MAX
MIN	0.108	0.655	0.395	1.36	0.322	0.126	0.045	0.048	0.023	0.583	0.435	0.529	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.38
MAXIMUM DAILY, 15.3 ON MAR 18
MINIMUM DAILY, 0.023 ON SEP 18
MAXIMUM INSTANTANEOUS,
16.0 AT 15:28 EST ON MAR 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 19 37 N
LONG 074 38 39 W
DRAINAGE AREA, 85.4 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 500	JUL	723
FEB	3 790	AUG	299
MAR	8 900	SEP	147
APR	9 570	OCT	3 660
MAY	3 390	NOV	3 020
JUN	742	DEC	6 820

TOTAL DISCHARGE, 43 600 dam³

ROOT RIVER AT SAULT STE. MARIE - STATION NO. 02CA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.301B	0.381B	0.361B	2.25B	4.08	0.601	1.23	0.243	0.071	0.627	1.50	4.73	1
2	0.298B	0.390B	0.359B	2.40B	3.24	0.539	0.932	0.163	0.061	0.999	1.39	3.86	2
3	0.294B	0.398B	0.358B	2.50B	2.61	0.988	0.706	0.116	0.052	1.00	1.31	2.87	3
4	0.292B	0.399B	0.357B	2.54B	2.22	1.09	0.592	0.092	0.279	3.61	1.28	2.67	4
5	0.288B	0.400B	0.356B	2.53B	1.96	0.855	0.535	0.090	0.673	3.31	1.22	2.40 B	5
6	0.285B	0.401B	0.356B	2.44B	1.64	0.959	0.460	0.071	0.411	2.39	1.18	2.20 B	6
7	0.283B	0.402B	0.358B	2.35B	1.44	0.850	0.367	0.058	0.277	1.95	1.15	2.06	7
8	0.281B	0.405B	0.359B	2.30B	1.57	0.697	0.514	0.074	0.208	1.81	1.18	1.96	8
9	0.279B	0.410B	0.362B	2.50B	1.52	0.650	0.799	0.136	0.165	1.51	1.13	1.85	9
10	0.278B	0.415B	0.370B	2.75B	3.83	0.663	0.613	0.186	0.147	1.46	1.18	1.76 B	10
11	0.278B	0.420B	0.395B	2.96B	4.54	0.549	0.470	0.193	0.128	1.72	1.24	1.67 B	11
12	0.277B	0.420B	0.476B	3.05B	3.37	0.435	0.411	0.194	0.170	1.73	1.24	1.62	12
13	0.275B	0.420B	0.750B	3.10B	2.85	1.21	0.315	0.237	0.582	1.61	1.36	1.58	13
14	0.273B	0.420B	1.40 B	3.18B	2.38	1.77	0.247	0.188	1.85	2.26	1.23	1.47 B	14
15	0.272B	0.421B	8.00 B	3.40B	2.22	0.774	0.245	0.142	1.84	5.87	1.18	1.42 B	15
16	0.271B	0.412B	24.5 B	3.55B	3.21	0.635	0.248	0.106	1.27	4.47	2.42	1.32 B	16
17	0.278B	0.402B	15.0 B	3.70B	7.51	0.802	0.291	0.074	0.772	4.84	3.75	1.36 B	17
18	0.288B	0.401B	11.2 B	3.75B	10.6	1.23	0.459	0.070	0.565	7.98	2.84	1.28 B	18
19	0.297B	0.401B	8.50 B	4.00	7.43	1.58	0.341	0.055	0.602	6.92	2.38	1.24 B	19
20	0.300B	0.400B	6.72 B	4.77	5.17	1.25	0.266	0.037	0.634	4.99	2.12	1.16 B	20
21	0.301B	0.400B	5.45 B	9.68	3.91	1.09	0.212	0.028	0.821	6.50	5.55	0.995B	21
22	0.302B	0.399B	4.40 B	15.7	2.96	0.972	0.177	0.024	2.05	7.17	13.6	0.960B	22
23	0.303B	0.398B	3.92 B	20.5	2.44	2.50	0.146	0.025	2.37	5.18	7.71	0.930B	23
24	0.305B	0.391B	3.36 B	21.1	2.07	3.17	0.120	0.021	1.83	4.14	5.56	0.899B	24
25	0.308B	0.385B	3.00 B	20.7	1.81	2.08	0.103	0.027	1.40	3.32	4.42	0.870B	25
26	0.312B	0.380B	2.72 B	20.6	1.51	1.66	0.084	0.042	1.13	2.73	3.52	0.850B	26
27	0.321B	0.373B	2.53 B	16.4	1.24	1.45	0.061	0.058	0.880	2.32	5.52	0.825B	27
28	0.332B	0.366B	2.38 B	11.2	1.09	1.52	0.044	0.092	0.722	2.21	11.5	0.800B	28
29	0.342B		2.18 B	7.64	0.921	1.63	0.085	0.116	0.628	1.94	8.83	0.780B	29
30	0.350B		2.18 B	5.34	0.775	1.46	0.527	0.116	0.552	1.78	6.11	0.762B	30
31	0.360B		2.19 B		0.664		0.393	0.091		1.62		0.750B	31
TOTAL	9.232	11.210	114.847	208.88	92.780	34.999	11.993	3.165	23.140	99.966	104.60	49.901	TOTAL
MEAN	0.298	0.400	3.70	6.96	2.99	1.17	0.387	0.102	0.771	3.22	3.49	1.61	MEAN
MAX	0.360	0.421	24.5	21.1	10.6	3.17	1.23	0.243	2.37	7.98	13.6	4.73	MAX
MIN	0.271	0.366	0.356	2.25	0.664	0.435	0.044	0.021	0.052	0.627	1.13	0.750	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.10
MAXIMUM DAILY, 24.5B ON MAR 16
MINIMUM DAILY, 0.021 ON AUG 24
MAXIMUM INSTANTANEOUS,
25.0 AT 23:37 EST ON APR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 33 49 N
LONG 084 16 55 W
DRAINAGE AREA, 108 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	798	JUL	1 040
FEB	969	AUG	273
MAR	9 920	SEP	2 000
APR	18 000	OCT	8 640
MAY	8 020	NOV	9 040
JUN	3 020	DEC	4 310

TOTAL DISCHARGE, 66 000 dam³

ROSEBERRY RIVER ABOVE ROSEBERRY LAKES - STATION NO. 04CA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.31	1.06 E	0.911E	0.865	47.7	9.79	2.84	0.935E	0.794	0.325	0.924	1.87	1
2	1.30	1.06 E	0.907E	0.874	43.0	8.61	2.91	0.905E	0.788	0.339	0.953	1.84	2
3	1.28	1.05 E	0.904E	0.885	38.5	7.73	2.76	0.870E	0.815	0.350	1.00	1.79	3
4	1.28	1.05 E	0.901E	0.899	34.8	7.56	2.66	0.833	0.835	0.359	1.08	1.77	4
5	1.27	1.04 E	0.895E	0.920	32.0	7.19	2.75	0.791	0.824	0.366	1.19	1.77	5
6	1.25	1.03 E	0.892E	0.946	30.5	6.90	2.74	0.720	0.819	0.372	1.25	1.75	6
7	1.24	1.03 E	0.885E	0.948	29.2	6.54	2.59	0.678	0.795	0.385	1.36	1.74	7
8	1.24	1.02 E	0.879E	0.972	28.3	6.23	2.46	0.644	0.793	0.400	1.41	1.74	8
9	1.21	1.02 E	0.875E	0.972	27.3	6.07	2.32	0.619	0.781	0.412	1.48	1.73	9
10	1.20	1.01 E	0.871E	0.978	25.7	5.76	2.21	0.608	0.763	0.418	1.56	1.70	10
11	1.20	1.01 E	0.867E	0.983	24.3	5.57	2.08	0.629	0.742	0.415	1.60	1.68	11
12	1.20	0.998E	0.862E	0.994	23.2	5.42	1.98	0.647	0.716	0.420	1.61	1.65	12
13	1.19	0.995E	0.858E	1.00	22.0	5.26	1.78	0.652	0.709	0.430	1.62	1.64	13
14	1.20	0.992E	0.852E	1.01	20.6	4.99	1.71	0.753	0.710	0.444	1.64	1.64	14
15	1.17	0.985E	0.848E	1.01	19.5	4.81	1.58	0.780	0.708	0.450	1.65	1.63	15
16	1.16	0.983E	0.844E	1.03	18.4	4.65	1.42	0.780	0.696	0.452	1.67	1.63	16
17	1.14	0.978E	0.840E	1.05	19.5	4.28	1.34	0.762	0.686	0.456	1.73	1.59	17
18	1.11	0.972E	0.835E	1.07	22.0	4.01	1.30	0.753	0.696	0.461	1.75	1.54	18
19	1.08	0.968E	0.828E	1.22	23.0	3.82	1.24	0.734	0.693	0.496	1.72	1.50	19
20	1.07	0.962E	0.825E	1.62	22.6	3.68	1.20	0.702	0.700	0.509	1.71	1.47	20
21	1.07	0.958E	0.822E	2.33	21.5	3.53	1.17 E	0.685	0.771	0.512	1.78	1.44	21
22	1.06	0.949E	0.821E	4.27	20.5	3.35	1.14 E	0.671	0.839	0.543	1.91	1.43	22
23	1.06	0.944E	0.820E	8.92	19.2	3.27	1.12 E	0.664	0.840	0.608	2.00	1.42	23
24	1.06	0.941E	0.820E	20.1	18.1	3.14	1.09 E	0.659	0.657	0.644	2.03	1.40	24
25	1.07	0.938E	0.819E	34.2	16.8	3.04	1.07 E	0.664	0.504	0.694	2.03	1.38	25
26	1.07	0.922E	0.819E	47.4	15.3	2.83	1.05 E	0.668	0.469	0.758	2.02	1.35	26
27	1.08	0.926E	0.818E	55.5	13.7	2.70	1.03 E	0.709	0.445	0.785	2.01	1.34	27
28	1.08	0.921E	0.817	56.5	12.8	2.60	1.01 E	0.758	0.373	0.792	1.99	1.32	28
29	1.08E		0.822	54.9	12.1	2.58	0.990E	0.786	0.334	0.826	1.94	1.29	29
30	1.08E		0.828	51.9	11.3	2.71	0.975E	0.802	0.323	0.858	1.90	1.27	30
31	1.07E		0.847		10.5		0.955E	0.804		0.890		1.25	31
TOTAL	35.88	27.712	26.432	356.266	723.9	148.62	53.370	22.673	20.618	16.169	48.517	48.56	TOTAL
MEAN	1.16	0.990	0.853	11.9	23.4	4.95	1.72	0.731	0.687	0.522	1.62	1.57	MEAN
MAX	1.31	1.06	0.911	56.5	47.7	9.79	2.91	0.935	0.840	0.890	2.03	1.87	MAX
MIN	1.06	0.921	0.817	0.865	10.5	2.58	0.955	0.608	0.323	0.325	0.924	1.25	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.19
MAXIMUM DAILY, 56.5 ON APR 28
MINIMUM DAILY, 0.323 ON SEP 30
MAXIMUM INSTANTANEOUS,
57.5 AT 01:05 EST ON APR 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 39 20 N
LONG 092 32 15 W
DRAINAGE AREA, 619 km²

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 100	JUL	4 610
FEB	2 390	AUG	1 960
MAR	2 280	SEP	1 780
APR	30 800	OCT	1 400
MAY	62 500	NOV	4 190
JUN	12 800	DEC	4 200

TOTAL DISCHARGE, 132 000 dam³

ROUGE RIVER NEAR MARKHAM - STATION NO. 02HC022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.760B	1.00 B	1.00 B	1.95	1.25	0.460	9.25	0.366	0.304	1.78	0.701	1.40	1
2	0.700B	0.920B	0.930B	2.24	1.14	0.432	2.67	0.294	0.294	1.04	0.667	1.37	2
3	0.670B	0.850B	0.830B	4.35	0.913	2.32	1.19	0.286	0.280	0.583	0.652	1.57	3
4	0.910B	0.800B	0.780B	6.56	0.758	1.25	0.794	0.285	0.334	3.07	0.759	5.40	4
5	1.50 B	0.760B	0.720B	7.42	1.05	0.615	0.554	1.20	0.852	2.77	2.77	4.40B	5
6	1.25 B	0.740B	0.660B	3.79	0.904	0.536	0.433	0.483	0.553	1.12	7.65	3.20B	6
7	1.10 B	0.710B	0.630B	2.54	0.874	0.460	0.383	0.347	0.417	0.683	3.40	2.70B	7
8	0.960B	1.50 B	0.600B	1.98	0.849	0.750	0.554	0.335	0.320	0.751	2.05	2.59	8
9	0.810B	8.00 B	0.660B	1.87	0.802	1.32	1.03	0.301	0.329	4.67	1.60	2.70	9
10	0.890B	4.50 B	0.840B	4.81	1.05	1.05	0.516	0.278	0.591	5.19	1.66	4.05	10
11	1.00 B	1.40 B	10.7 B	9.90	0.874	0.677	0.400	0.542	0.427	3.46	1.55	3.31	11
12	0.900B	1.20 B	48.0	4.10	0.871	0.515	0.354	4.24	0.345	5.17	1.49	2.33	12
13	0.810B	1.05 B	17.2	2.70	1.16	0.875	0.355	8.35	0.318	11.2	1.40	3.60B	13
14	0.760B	0.940B	11.1	2.83	0.892	3.48	0.404	2.95	1.13	3.85	1.37	3.10B	14
15	0.730B	0.850B	6.78	3.70	0.874	8.39	2.76	2.12	2.89	2.10	1.39	2.33	15
16	0.710B	0.810B	5.53	2.87	1.33	1.91	1.07	2.75	0.569	1.40	1.48	2.26	16
17	2.50 B	0.770B	5.33	4.40	2.41	0.977	0.541	0.986	0.432	5.70	1.46	2.19	17
18	10.0 B	0.730B	4.03	2.52	2.90	0.689	0.434	0.750	0.370	5.29	1.37	3.06	18
19	3.00 B	0.715B	2.90	1.82	1.47	0.545	0.378	2.76	0.524	4.51	1.29	5.38	19
20	1.97 B	0.705B	2.21	2.18	5.45	0.433	1.14	1.19	0.507	2.59	1.29	3.03	20
21	1.85 B	2.90 B	2.11	3.99	5.44	0.804	0.647	0.654	0.408	1.72	1.32	3.36	21
22	1.60 B	3.09	2.75	2.66	2.49	0.692	0.729	0.565	0.456	1.37	1.65	7.18	22
23	1.50 B	21.3	5.54	2.00	1.61	1.06	2.93	0.490	0.504	1.13	3.17	19.2	23
24	2.10	6.00 B	3.22	1.74	1.12	0.957	0.726	0.439	0.406	0.961	2.15	8.03	24
25	3.50 B	2.00 B	2.09	1.70	0.901	0.652	0.524	0.392	0.369	0.885	1.97	3.90B	25
26	4.60 B	1.50 B	1.93	1.63	0.808	0.500	0.425	0.389	0.898	0.847	1.57	3.30B	26
27	1.80 B	1.35 B	1.83	1.59	0.703	0.762	0.364	0.526	0.522	0.821	1.57	3.00B	27
28	1.60 B	1.20 B	1.78	1.54	0.613	0.402	0.325	0.914	0.397	1.27	1.72	3.30B	28
29	1.30 B		1.77	1.47	0.592	4.47	0.307	0.465	0.533	0.903	1.53	7.26	29
30	1.10 B		1.94	1.33	0.520	5.26	0.491	0.359	3.03	0.853	1.39	15.9	30
31	1.10 B		1.97		0.500		0.692	0.321		0.794		5.66	31
TOTAL	54.060	68.290	148.360	94.18	43.118	43.243	33.370	36.327	19.309	78.481	54.039	140.06	TOTAL
MEAN	1.74	2.44	4.79	3.14	1.39	1.44	1.08	1.17	0.644	2.53	1.80	4.52	MEAN
MAX	10.0	21.3	48.0	9.90	5.45	8.39	9.25	8.35	3.03	11.2	7.65	19.2	MAX
MIN	0.670	0.705	0.600	1.33	0.500	0.402	0.307	0.278	0.280	0.583	0.652	1.37	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.23
MAXIMUM DAILY, 48.0 ON MAR 12
MINIMUM DAILY, 0.278 ON AUG 10
MAXIMUM INSTANTANEOUS,
65.3 AT 09:58 EST ON MAR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 51 30 N
LONG 079 13 55 W
DRAINAGE AREA, 186 km²

B - ICE CONDITIONS

REGULATED SINCE 1968

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	4 670	JUL	2 880
FEB	5 900	AUG	3 140
MAR	12 800	SEP	1 670
APR	8 140	OCT	6 780
MAY	3 730	NOV	4 670
JUN	3 740	DEC	12 100

TOTAL DISCHARGE, 70 200 dam³

RUSCOM RIVER NEAR RUSCOM STATION - STATION NO. 02GH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.048	0.498B	0.590B	1.42	0.563	0.084	0.394	0.035A	0.017	0.160	0.172	0.477	1
2	0.061	10.5	0.660B	3.09	0.578	0.081	0.256	0.015	0.014	0.136	0.158	0.365	2
3	0.122	5.26	0.580B	3.09	0.597	0.175	0.075	0.010	0.014	0.119	0.135	11.5	3
4	1.42	1.84	0.540B	3.21	1.62	0.276	0.037	0.006	0.014	0.335	0.131	24.2	4
5	3.29	1.19	0.490B	1.80	6.08	0.130	0.028	0.004	0.014	0.624	1.27	4.06	5
6	1.30	1.79	0.460B	1.25	2.07	0.095	0.022	0.003	0.176	0.376	7.82	1.58	6
7	0.861	3.46	0.410B	1.05	1.24	0.084	0.019	0.005	25.8	0.242	2.09	1.66	7
8	0.734	3.77	0.410B	0.962	0.960	0.433	0.019	0.010	6.63	0.208	1.00	0.999	8
9	0.822	2.02	2.86	0.859	0.813	0.658	0.018	0.017	1.03	5.08	0.645	0.792	9
10	3.51	1.37	6.95	6.33	0.803	0.334	0.012	0.011	0.482	17.5	0.659	0.726	10
11	2.85 B	0.846	7.01	12.2	0.756	0.145	0.010	0.013	0.559	14.5	0.604	0.590	11
12	1.63 B	0.603	4.82	4.18	0.589	0.088	0.010	0.019	0.209	4.02	0.424	0.546	12
13	1.04 B	0.553	2.21	2.87	6.54	0.087	0.011	0.565	0.135	1.89	0.322	0.491	13
14	0.825	0.490	1.38	3.78	3.84	0.076	0.032	0.294	6.19	1.27	0.276	0.348	14
15	0.713	0.465	0.985	3.57	1.11	0.070	0.364	0.090	16.7	0.829	0.268	0.360	15
16	0.704	2.37	0.830	2.28	8.67	0.058	0.290	0.038	8.01	0.552	0.279	0.500	16
17	4.96	4.49	1.07	1.83	4.60	0.043	0.076	0.027	4.12	0.420	0.269	0.448	17
18	15.7	1.35 B	0.689	1.46	1.96	0.036	0.041	0.058	1.17	2.10	0.218	0.746	18
19	4.37	1.15 B	0.531	1.39	0.940E	0.034	0.031	1.43	4.67	2.57	0.197	2.95	19
20	1.59	1.03 B	0.523	1.52	0.670E	0.030	0.024	0.827	4.29	0.895	0.185	1.32	20
21	1.13	0.960B	0.487	7.05	0.510E	0.031	0.024	0.222	1.23	0.566	0.166	1.90	21
22	0.945	27.9 B	0.472	2.62	0.410E	0.037	0.027	0.127	2.92	0.458	0.246	6.75	22
23	1.14	44.2	0.481	1.33	0.360E	0.160	0.045	0.079	1.53	0.431	0.432	4.30	23
24	4.17	8.14 B	0.364	0.943	0.313	0.519	0.048	0.042	0.724	0.383	0.486	2.32	24
25	4.67	1.29 B	0.347	0.846	0.259	0.243	0.038	0.027	0.366	0.329	0.383	1.34 B	25
26	2.70	0.860B	0.330	0.780	0.246	0.084	0.026	0.021	0.265	0.265	0.278	1.20 B	26
27	1.06	0.720B	0.277	0.734	0.222	0.049	0.018	0.017	0.229	0.233	0.344	0.653B	27
28	0.994	0.650B	0.262	0.709	0.180	0.084	0.012	0.019	0.221	0.221	1.37	0.641B	28
29	0.768		0.263	0.673	0.152	0.308	0.009	0.068	0.195	0.184	1.57	25.4	29
30	0.594B		0.339	0.598	0.126	0.229	0.026	0.043	0.177	0.158	0.675	59.4	30
31	0.477B		0.393		0.102		0.071A	0.025		0.162		15.5	31
TOTAL	65.198	131.765	38.033	74.424	47.879	4.761	2.113	4.167	88.101	57.216	23.072	173.662	TOTAL
MEAN	2.10	4.71	1.23	2.48	1.54	0.159	0.068	0.134	2.94	1.85	0.769	5.60	MEAN
MAX	15.7	44.2	7.01	12.2	8.67	0.658	0.394	1.43	25.8	17.5	7.82	59.4	MAX
MIN	0.048	0.465	0.262	0.598	0.102	0.030	0.009	0.003	0.014	0.119	0.131	0.348	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.95
MAXIMUM DAILY, 59.4 ON DEC 30
MINIMUM DAILY, 0.003 ON AUG 06
MAXIMUM INSTANTANEOUS,
64.7 AT 09:24 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 13 54 N
LONG 082 37 00 W
DRAINAGE AREA, 125 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 630	JUL	183
FEB	11 400	AUG	360
MAR	3 290	SEP	7 610
APR	6 430	OCT	4 940
MAY	4 140	NOV	1 990
JUN	411	DEC	15 000

TOTAL DISCHARGE, 61 400 dam³

SACHIGO RIVER BELOW OUTLET OF SACHIGO LAKE - STATION NO. 04CD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	26.8	20.1	15.9	13.5	16.5	65.9E	53.2E	41.9E	31.7E	28.0	26.6	24.1	1
2	26.6	19.8	15.6	13.7	17.2	65.3E	52.8E	41.7E	31.4E	28.5	26.7	24.0	2
3	26.2	19.7	15.6	13.8	18.0	64.7E	52.5E	41.2E	31.1E	29.1	26.8	23.7	3
4	26.1	19.6	15.4	12.8	18.4	64.3E	52.1E	40.9E	30.9E	26.8	26.0	23.6	4
5	25.9	19.7	15.3	13.1	19.4	64.0E	51.9E	40.5E	30.7E	25.2	26.5	23.7	5
6	25.9	19.6	15.3	13.0	21.2	63.5E	51.1E	40.1E	30.4E	26.8	26.5	23.5	6
7	25.7	19.3	15.5	13.1	22.1	63.0E	50.8E	39.7E	30.2E	27.9	26.5	23.4	7
8	25.4	19.3	15.5	13.9	23.6	62.5E	50.5E	39.5E	30.0E	28.4	26.4	23.4	8
9	25.4	19.3	15.6	13.0	26.0	62.2E	50.3E	39.2E	29.8E	29.0	26.5	23.2	9
10	25.1	19.3	15.4	12.9	27.9	62.0E	49.9E	38.7E	29.6E	30.8	26.3	23.2	10
11	24.7	19.2	15.5	12.8	29.8	61.5E	49.5E	38.4E	29.5E	29.8	26.0	23.1	11
12	24.6	18.7	15.3	12.7	31.9	60.9E	49.2E	38.1E	29.3E	27.9	25.7	22.9	12
13	24.3	18.3	15.3	12.5	34.3	60.4E	48.9E	37.8E	29.1E	29.2	25.7	22.9	13
14	24.1	18.5	15.1	12.6	37.1E	60.0E	48.6E	37.4E	29.0E	28.0	25.7	23.0	14
15	24.1	18.2	14.4	12.6	40.3E	59.8E	48.0E	37.0E	28.8E	27.3	25.7	22.9	15
16	24.1	17.9	15.0	12.4	42.0E	59.2E	47.8E	36.7E	28.7E	27.2	25.4	22.7	16
17	23.9	17.9	14.6	12.4	47.0E	58.8E	47.3E	36.3E	28.5E	26.7	25.2	22.3	17
18	23.4	17.8	14.9	12.7	50.5E	58.4E	47.0E	36.0E	28.4E	26.9	25.1	22.2	18
19	23.3	17.5	14.9	12.3	54.5E	58.0E	46.7E	35.4E	28.2E	28.0	24.9	22.1	19
20	23.0	17.6	14.7	12.3	59.5E	57.5E	46.2E	35.1E	28.1E	27.4	25.0	21.9	20
21	22.8	17.4	14.7	12.5	62.5E	57.1E	46.0E	34.8E	28.0E	26.7	25.0	21.8	21
22	23.0	16.8	14.5	12.6	66.0E	56.8E	45.7E	34.4E	27.9E	26.8	25.6	21.5	22
23	22.7	16.6	14.4	13.0	66.5E	56.4E	45.3E	34.2E	27.8E	26.7	25.0	21.4	23
24	22.6	16.5	14.4	13.1	67.4E	56.0E	44.8E	33.9E	27.7E	26.7	24.9	21.4	24
25	22.6	16.4	14.2	13.4	67.9E	55.8E	44.3E	33.6E	27.6E	27.3	24.8	21.2	25
26	22.3	16.3	14.2	13.9	68.0E	55.4E	44.0E	33.3E	27.5E	27.2	24.9	21.0	26
27	22.1	16.0	14.1	14.3	68.0E	54.8E	43.7E	33.0E	27.4E	25.4	24.6	20.8	27
28	21.7	16.1	14.1	14.8	67.9E	54.3E	43.2E	32.8E	27.5	26.2	24.5	20.8	28
29	21.1		14.1	16.1	67.5E	54.0E	42.9E	32.4E	28.4	26.7	24.4	20.7	29
30	20.5		14.1	16.5	67.0E	53.8E	42.8E	32.1E	29.1	26.2	24.4	20.5	30
31	20.4		13.9		66.8E		42.4E	31.9E		27.0		20.3	31
TOTAL	740.2	509.4	461.5	397.1	1 372.7	1 786.3	1 479.4	1 138.0	872.3	851.8	767.3	693.2	TOTAL
MEAN	23.9	18.2	14.9	13.2	44.3	59.5	47.7	36.7	29.1	27.5	25.6	22.4	MEAN
MAX	26.8	20.1	15.9	16.5	68.0	65.9	53.2	41.9	31.7	30.8	26.8	24.1	MAX
MIN	20.4	16.0	13.9	12.2	16.5	53.8	42.4	31.9	27.4	25.2	24.4	20.3	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 30.3
MAXIMUM DAILY, 68.0E ON MAY 26
MINIMUM DAILY, 12.2 ON APR 16

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 59 40 N
LONG 092 08 50 W
DRAINAGE AREA, 4 270 km²

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	64 000	JUL	128 000
FEB	44 000	AUG	98 300
MAR	39 900	SEP	75 400
APR	34 300	OCT	73 600
MAY	119 000	NOV	66 300
JUN	154 000	DEC	59 900

TOTAL DISCHARGE, 957 000 dam³

SALMON RIVER NEAR SHANNONVILLE - STATION NO. 02HM003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.32	12.6	14.2	28.8	21.4	11.1	3.21	0.828	0.226	0.089	2.79	7.40	1
2	5.86	12.8	13.3	28.0	19.6	10.5	3.18	0.749	0.160	0.093	2.86	7.35	2
3	5.58	10.7	12.7	31.5	17.9	10.0	2.97	0.677	0.146	0.102	2.86	7.21	3
4	5.64	11.5	11.8	30.2	16.7	9.58	2.78	0.619	0.137	0.124	2.87	12.1	4
5	7.03	10.9	10.9	43.5	16.8	8.91	2.56	0.626	0.134	0.176	2.91	16.8	5
6	7.49	11.9	10.2	41.0	16.4	8.03	2.29	0.681	0.138	0.247	3.71	16.4	6
7	6.99	10.8	9.57	37.2	16.4	7.40	2.01	0.622	0.124	0.308	4.81	16.1	7
8	6.68	10.4	9.13	33.2	16.6	6.84	1.82	0.550	0.118	0.344	5.01	16.1	8
9	6.36	11.9	8.87	29.8	16.0	6.35	1.83	0.513	0.110	0.353	5.07	16.0	9
10	6.36	18.5	8.51	30.2	15.3	6.34	1.74	0.474	0.107	0.367	5.67	16.4	10
11	6.59	15.7	12.1	37.4	15.3	6.13	1.66	0.418	0.109	0.448	6.40	15.0	11
12	6.76	14.1	32.7	36.7	14.7	5.46	1.50	0.396	0.099	0.653	6.41	13.7	12
13	6.50	14.3	43.4	35.6	14.7	5.07	1.34	0.522	0.099	1.35	6.01	14.2	13
14	6.20	20.5	51.0	33.6	15.0	4.54	1.20	0.571	0.097	2.42	5.54	13.5	14
15	5.87	17.2	46.4	34.6	15.1	3.96	1.10	0.557	0.091	2.28	5.47	12.6	15
16	5.80	14.9	44.1	33.1	15.1	4.15	1.07	0.561	0.081	2.13	5.73	12.3	16
17	6.44	15.7	47.0	31.6	18.6	4.25	1.06	0.546	0.069	2.13	5.88	11.7	17
18	22.9	13.9	46.8	29.9	22.3	4.92	1.06	0.537	0.064	2.27	5.68	13.7	18
19	18.8	13.3	42.1	28.0	22.8	4.78	0.977	0.510	0.060	2.37	5.46	19.5	19
20	16.5	11.8	40.2	26.9	23.7	3.90	0.971	0.457	0.055	5.96	5.36	16.8	20
21	14.4	11.2	39.7	28.2	26.7	3.53	0.942	0.440	0.057	5.20	5.32	16.9	21
22	11.9	11.8	39.3	27.4	24.7	3.64	0.838	0.422	0.052	4.75	5.51	25.2	22
23	11.4	24.6	40.3	26.3	23.0	3.84	0.925	0.415	0.055	4.29	6.18	46.5	23
24	11.3	23.6	39.7	25.1	20.9	3.77	0.970	0.396	0.052	3.67	6.54	47.8	24
25	12.8	19.8	37.5	28.4	18.9	3.64	0.970	0.369	0.052	3.24	6.71	40.7	25
26	17.9	16.9	36.4	30.4	17.4	3.34	0.991	0.347	0.054	2.84	6.82	37.6	26
27	16.0	17.3	34.6	29.3	16.0	3.08	0.934	0.331	0.054	2.55	7.04	33.3	27
28	15.6	15.6	33.0	27.5	14.9	2.73	0.842	0.309	0.062	2.63	7.71	32.2	28
29	14.8		31.3	25.1	13.8	2.54	0.764	0.293	0.065	3.01	7.82	38.8	29
30	13.7		30.1	22.7	12.7	3.00	0.704	0.282	0.083	2.97	7.72	56.6	30
31	13.1		29.6		11.7		0.790	0.247		2.78		49.3	31
TOTAL	318.57	416.1	905.18	939.2	551.1	165.32	45.998	15.250	2.810	66.444	163.87	699.76	TOTAL
MEAN	10.3	14.9	29.2	31.3	17.8	5.51	1.48	0.492	0.094	2.14	5.46	22.6	MEAN
MAX	22.9	24.6	51.0	43.5	26.7	11.1	3.21	0.828	0.226	6.37	7.82	56.6	MAX
MIN	5.32	10.4	8.51	22.7	11.7	2.54	0.704	0.247	0.052	0.089	2.79	7.21	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.8
MAXIMUM DAILY, 56.6 ON DEC 30
MINIMUM DAILY, 0.052 ON SEP 22
MAXIMUM INSTANTANEOUS,
58.5 AT 14:53 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 12 28 N
LONG 077 12 35 W
DRAINAGE AREA, 891 km²

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	27 500	JUL	3 970
FEB	36 000	AUG	1 320
MAR	78 200	SEP	243
APR	81 100	OCT	5 740
MAY	47 600	NOV	14 200
JUN	14 300	DEC	60 500

TOTAL DISCHARGE, 371 000 dam³

SALVESEN LAKE NEAR OUTLET - STATION NO. 05QE011

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.281	0.286	0.300	0.344	0.719	0.680	0.737	0.617E	0.452	0.360	0.286	0.268	1
2	0.284	0.284	0.293	0.349	0.737	0.703	0.733	0.609A	0.445	0.363	0.281	0.261	2
3	0.289	0.287	0.285	0.357	0.755	0.732	0.729	0.601	0.449	0.358	0.273	0.259	3
4	0.286	0.292	0.285	0.362	0.769	0.760	0.727	0.589	0.455	0.352	0.271	0.261	4
5	0.287	0.293	0.285	0.367	0.780	0.772	0.721	0.579	0.448	0.345	0.270	0.266	5
6	0.286	0.291	0.286	0.370	0.786	0.773	0.717	0.575	0.448	0.342	0.265	0.265	6
7	0.294	0.295	0.290	0.371	0.795	0.775	0.754	0.569	0.437	0.336	0.264	0.266	7
8	0.302	0.296	0.292	0.375	0.792	0.775	0.776	0.560	0.433	0.335	0.265	0.268	8
9	0.302	0.295	0.295	0.379	0.792	0.778	0.782	0.553	0.427	0.338	0.264	0.270	9
10	0.303	0.292	0.294	0.379	0.792	0.779	0.780	0.548	0.422	0.338	0.258	0.267	10
11	0.307	0.293	0.292	0.377	0.791	0.783	0.770	0.539	0.421	0.330	0.256	0.264	11
12	0.303	0.296	0.294	0.378	0.782	0.787	0.760	0.533	0.420	0.326	0.254	0.270	12
13	0.295	0.286	0.297	0.379	0.775	0.787	0.752	0.524	0.409	0.327	0.257	0.268	13
14	0.297	0.284	0.299	0.382	0.767	0.783	0.747	0.516	0.401	0.328	0.261	0.267	14
15	0.297	0.286	0.312	0.383	0.761	0.777	0.743	0.511	0.399	0.323	0.261	0.265	15
16	0.296	0.287	0.331	0.383	0.754	0.775	0.737	0.512	0.391	0.320	0.260	0.265	16
17	0.297	0.284	0.330	0.382	0.747	0.773	0.731	0.523	0.387	0.317	0.262	0.261	17
18	0.293	0.292	0.325	0.387	0.743	0.773	0.725	0.516	0.397	0.312	0.262	0.258	18
19	0.291	0.289	0.328	0.400	0.744	0.775	0.721	0.502	0.404	0.311	0.258	0.254	19
20	0.293	0.297	0.332	0.419	0.739	0.772	0.714A	0.495	0.400	0.306	0.262	0.258	20
21	0.297	0.302	0.332	0.459	0.732	0.775	0.706E	0.490	0.401	0.301	0.273	0.257	21
22	0.299	0.294	0.332	0.511	0.725	0.789	0.698E	0.487	0.399	0.301	0.268	0.258	22
23	0.294	0.293	0.326	0.569	0.725	0.794	0.690E	0.484	0.393	0.299	0.267	0.257	23
24	0.300	0.285	0.328	0.593	0.720	0.792	0.682E	0.482	0.395	0.298	0.268	0.255	24
25	0.299	0.283	0.330	0.619	0.715	0.788	0.674E	0.478	0.391	0.296	0.266	0.254	25
26	0.300	0.291	0.326	0.636	0.711	0.781	0.666E	0.472	0.388	0.298	0.266	0.249A	26
27	0.297	0.292	0.326	0.643	0.707	0.771	0.657E	0.471	0.383	0.293	0.269	0.250E	27
28	0.289	0.295	0.327	0.656	0.704	0.761	0.649E	0.470	0.374	0.293	0.270	0.251E	28
29	0.288		0.331	0.677	0.694	0.752	0.641E	0.466	0.369	0.289	0.271	0.251E	29
30	0.289		0.335	0.698	0.690	0.746	0.633E	0.462	0.362	0.288	0.273	0.252E	30
31	0.286		0.340		0.688		0.625E	0.459		0.288		0.252E	31
MEAN	0.294	0.291	0.312	0.452	0.746	0.769	0.715	0.522	0.410	0.320	0.266	0.260	MEAN
MAX	0.307	0.302	0.340	0.698	0.795	0.794	0.782	0.617	0.455	0.363	0.286	0.270	MAX
MIN	0.281	0.283	0.285	0.344	0.688	0.680	0.625	0.459	0.362	0.288	0.254	0.249	MIN

WATER LEVELS IN METRES

MEAN, 0.447
MAXIMUM DAILY, 0.795 ON MAY 07
MINIMUM DAILY, 0.249A ON DEC 26
MAXIMUM INSTANTANEOUS,
0.799 AT 15:23 CST ON MAY 07

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 21 18 N
LONG 094 26 33 W

A - MANUAL GAUGE
E - ESTIMATED

SANDUSK CREEK NEAR HAGERSVILLE - STATION NO. 02GC034

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.027	0.003	0	0	0	0	0.002	0.001	0.007	1
2	---	---	---	0.077	0.002	0	0	0	0	0.001	0.001	0.004	2
3	---	---	---	0.071	0.002	0	0	0	0	0.001	0.001	0.009	3
4	---	---	---	0.065	0.002	0	0	0	0	0.002	0.001	0.180	4
5	---	---	0.007A	0.044	0.004	0	0	0	0	0.002	0.056	0.078	5
6	---	---	0.003	0.031	0.003	0	0	0	0	0.002	0.469	0.055	6
7	---	---	0.001	0.021	0.002	0	0	0	0.001	0.002	0.080	0.055	7
8	---	---	0.006	0.016	0.002	0	0	0	0	0.002	0.032	0.063	8
9	---	---	0.036	0.012	0.002	0	0.070	0	0	0.004	0.019	0.087	9
10	---	---	0.129	0.136	0.001	0	0.005	0	0	0.013	0.017	0.099	10
11	---	---	0.447	0.221	0.001	0	0.001	0	0	0.018	0.013	0.038	11
12	---	---	0.737	0.058	0.001	0	0	0	0	0.030	0.010	0.026	12
13	---	---	0.567	0.039	0.024	0	0	0.001	0	0.063	0.008	0.025	13
14	---	---	0.190	0.039	0.021	0	0	0	0.002	0.026	0.006	0.014	14
15	---	---	0.097	0.047	0.006	0	0.001	0	0.002	0.011	0.005	0.008	15
16	---	---	0.066	0.030	0.021	0	0.001	0	0.001	0.006	0.005	0.032	16
17	---	---	0.053	0.030	0.106	0	0	0	0.001	0.003	0.005	0.032	17
18	---	---	0.036	0.020	0.038	0	0	0.001	0.001	0.007	0.004	0.360	18
19	---	---	0.037	0.015	0.010	0	0	0.002	0.001	0.019	0.003	0.527	19
20	---	---	0.041	0.017	0.009	0	0	0.001	0.001	0.008	0.003	0.073	20
21	---	---	0.036	0.053	0.011	0	0	0.001	0.001	0.004	0.003	0.127	21
22	---	---	0.032	0.031	0.005	0	0	0	0.001	0.004	0.004	0.932	22
23	---	---	0.041	0.021	0.002	0	0	0	0.001	0.004	0.006	1.75 E	23
24	---	---	0.024	0.013	0.001	0	0	0	0	0.004	0.009	1.02 E	24
25	---	---	0.018	0.008	0	0	0	0	0	0.003	0.008	0.107	25
26	---	---	0.014	0.006	0	0	0	0	0	0.002	0.005	0.042B	26
27	---	---	0.009	0.005	0	0	0	0	0	0.002	0.042	0.022B	27
28	---	---	0.008	0.004	0	0	0	0.002	0	0.002	0.038	0.018B	28
29	---	---	0.007	0.003	0	0	0	0.002	0	0.002	0.019	1.50 E	29
30	---		0.016	0.003	0	0	0	0.001	0.003	0.005	0.011	3.86 E	30
31	---		0.030		0		0	0.001		0.002		1.71 E	31
TOTAL	---	---	---	1.163	0.279	0	0.078	0.012	0.016	0.253	0.884	13.850	TOTAL
MEAN	---	---	---	0.039	0.009	0	0.003	0	0.001	0.008	0.030	0.447	MEAN
MAX	---	---	---	0.221	0.106	0	0.070	0.002	0.003	0.063	0.469	3.85	MAX
MIN	---	---	---	0.003	0	0	0	0	0	0.001	0.001	0.004	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MINIMUM DAILY, 0 ON MAY 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 57 10 N
LONG 080 09 51 W
DRAINAGE AREA, 3.96 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6.74
FEB	---	AUG	1.04
MAR	---	SEP	1.38
APR	100	OCT	21.9
MAY	24.1	NOV	76.4
JUN	0	DEC	1 200

REMARKS - STATION ACTIVATED MARCH 1990

SANDUSK CREEK NEAR SELKIRK - STATION NO. 02GC035

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.356A	0.532	0.069	0.062	0.081	0.010	0.080	0.354	0.075	0.280	1
2	---	---	0.325	2.34	0.067	0.063	0.073	0.008	0.054	0.213	0.074	0.170	2
3	---	---	0.615B	4.79	0.061	0.068	0.068	0.007	0.039	0.124	0.068	1.23	3
4	---	---	0.721B	2.85	0.067	0.065	0.057	0.006	0.029	0.344	0.071	16.8	4
5	---	---	0.527B	1.75	0.377	0.055	0.047	0.009	0.025	0.665	0.368	5.84 B	5
6	---	---	0.342	1.02	0.291	0.053	0.036	0.010	0.024	0.384	7.26	2.00 B	6
7	---	---	0.231	0.610	0.162	0.056	0.027	0.011	0.143	0.194	3.25	0.951	7
8	---	---	0.161	0.402	0.096	0.077	0.023	0.010	0.072	0.104	1.35	1.13	8
9	---	---	0.135	0.302	0.078	0.085	0.233	0.010	0.055	0.764	0.731	1.12	9
10	---	---	5.42	3.11	0.072	0.076	0.782	0.008	0.044	1.69	0.569	1.28	10
11	---	---	15.6	13.6	0.059	0.071	0.402	0.007	0.034	1.18	0.514	0.802	11
12	---	---	15.9	2.24	0.051	0.069	0.181	0.007	0.028	1.03	0.555	0.400	12
13	---	---	15.2	0.877	2.31	0.068	0.097	0.060	0.024	5.15	0.521	0.263	13
14	---	---	5.76	0.893	2.09	0.070	0.072	0.042	0.025	2.00	0.420	0.207	14
15	---	---	2.45	1.34	0.644	0.076	0.074	0.031	0.050	0.939	0.318	0.123	15
16	---	---	1.37	1.01	3.90	0.083	0.082	0.051	0.037	0.488	0.302	2.44	16
17	---	---	0.981	0.715	7.61	0.086	0.117	0.070	0.075	0.290	0.281	1.93	17
18	---	---	0.720	0.624	2.72	0.118	0.089	0.063	0.071	0.291	0.190	4.00	18
19	---	---	0.507	0.430	1.03	0.105	0.065	0.064	0.067	0.364	0.128	7.18	19
20	---	---	0.466	0.375	0.594	0.092	0.052	0.056	0.062	0.429	0.096	1.94	20
21	---	---	0.473	1.70	0.805	0.096	0.046	0.079	0.047	0.291	0.083	0.971	21
22	---	---	0.440	1.22	0.720	0.100	0.038	0.105	0.050	0.195	0.118	7.03	22
23	---	---	0.463	0.596	0.430	0.102	0.032	0.085	0.042	0.153	0.530	24.0	23
24	---	---	0.493	0.349	0.283	0.093	0.029	0.068	0.037	0.147	0.530	9.63	24
25	---	---	0.336	0.236	0.200	0.077	0.024	0.055	0.034	0.122	0.363	2.00 B	25
26	---	---	0.226	0.161	0.137	0.071	0.021	0.043	0.033	0.105	0.233	0.950B	26
27	---	---	0.178	0.121	0.107	0.076	0.018	0.034	0.029	0.089	1.77	0.350B	27
28	---	---	0.146	0.101	0.093	0.077	0.017	0.064	0.026	0.080	1.78	0.159	28
29	---	---	0.121	0.085	0.096	0.090	0.014	0.930	0.028	0.072	0.857	24.9	29
30	---		0.169	0.080	0.079	0.088	0.012	0.457	0.270	0.070	0.449	52.7	30
31	---		0.385		0.063		0.012	0.176		0.070		10.5 B	31
TOTAL	---	---	71.817	44.459	25.361	2.368	2.921	2.636	1.634	19.391	23.854	185.276	TOTAL
MEAN	---	---	2.32	1.48	0.818	0.079	0.094	0.085	0.055	0.626	0.795	5.98	MEAN
MAX	---	---	15.9	13.6	7.61	0.118	0.782	0.930	0.270	5.15	7.26	52.7	MAX
MIN	---	---	0.121	0.080	0.051	0.053	0.012	0.006	0.024	0.070	0.068	0.123	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MAXIMUM INSTANTANEOUS,
69.3 AT 02:59 EST ON DEC 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 49 25 N
LONG 079 59 35 W
DRAINAGE AREA, 118 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	252
FEB	---	AUG	228
MAR	6 200	SEP	141
APR	3 840	OCT	1 680
MAY	2 190	NOV	2 060
JUN	205	DEC	16 000

REMARKS - STATION ACTIVATED MARCH 1990

SAUBLE RIVER ABOVE TARA - STATION NO. 02FA005

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.043	1.250	1.073	1.170	1.004	0.945	0.914	0.898	0.851	1.229	1.081	1.449	1
2	1.055	1.317	1.053	1.272	0.995	0.943	0.900	0.886	0.849	1.264	1.071	1.353	2
3	1.064	1.397	1.063	1.386	0.987	0.951	0.892	0.877	0.862	1.243	1.062	1.291	3
4	1.106	1.239	1.061	1.340	0.984	0.949	0.884	0.871	0.869	1.257	1.060	1.305	4
5	1.229	1.125	1.048	1.265	0.989	0.938	0.879	0.871	0.852	1.247	1.165	1.313	5
6	1.222	1.104	1.031	1.200	0.988	0.932	0.873	0.872	0.853	1.196	1.801	1.307	6
7	1.216	1.098	1.020	1.153	0.983	0.929	0.870	0.872	0.868	1.137	1.623	1.283	7
8	1.220	1.129	1.010	1.126	0.976	0.927	0.871	0.869	0.886	1.105	1.529	1.254	8
9	1.229	1.472	1.016	1.106	0.972	0.921	0.900	0.865	0.927	1.175	1.433	1.247	9
10	1.234	1.436	1.086	1.110	0.965	0.919	0.908	0.861	0.963	1.363	1.362	1.392	10
11	1.239	1.343	1.378	1.136	0.968	0.914	0.896	0.856	0.987	1.454	1.320	1.322	11
12	1.221	1.226	2.797	1.128	0.968	0.909	0.888	0.854	0.999	1.334	1.287	1.278	12
13	1.213	1.173	2.770	1.115	0.966	0.905	0.879	0.872	1.024	1.262	1.246	1.300	13
14	1.203	1.159	2.203	1.110	0.962	0.906	0.874	0.880	1.050	1.207	1.223	1.244	14
15	1.193	1.115	1.817	1.136	0.971	0.903	0.874	0.880	1.114	1.200	1.308	1.193	15
16	1.178	1.118	1.553	1.136	0.978	0.898	0.873	0.874	1.115	1.193	1.325	1.163	16
17	1.320	1.007	1.411	1.204	1.040	0.891	0.875	0.865	1.106	1.193	1.332	1.142	17
18	2.002	1.075	1.320	1.207	1.113	0.888	0.877	0.862	1.100	1.271	1.306	1.189	18
19	1.942	1.063	1.254	1.169	1.097	0.889	0.876	0.859	1.096	1.398	1.268	1.258	19
20	1.840	1.046	1.204	1.152	1.145	0.887	0.888	0.854	1.093	1.339	1.223	1.212	20
21	1.635	1.044	1.169	1.242	1.235	0.885	0.910	0.851	1.098	1.291	1.184	1.190	21
22	1.458	1.061	1.156	1.210	1.180	0.883	0.905	0.850	1.117	1.245	1.538	1.311	22
23	1.346	1.124	1.287	1.168	1.138	0.895	0.892	0.850	1.140	1.201	1.629	1.313	23
24	1.316	1.129	1.311	1.127	1.093	0.912	0.885	0.849	1.157	1.162	1.603	1.256	24
25	1.392	1.097	1.281	1.099	1.054	0.911	0.877	0.847	1.169	1.135	1.507	1.219	25
26	1.585	1.100	1.268	1.074	1.029	0.898	0.872	0.846	1.172	1.112	1.416	1.164	26
27	1.547	1.088	1.220	1.053	1.007	0.889	0.870	0.844	1.174	1.098	1.673	1.170	27
28	1.604	1.069	1.188	1.037	0.991	0.885	0.867	0.864	1.180	1.086	1.935	1.151	28
29	1.494		1.165	1.023	0.974	0.898	0.864	0.870	1.185	1.095	1.757	1.524	29
30	1.371		1.163	1.012	0.966	0.920	0.883	0.870	1.200	1.096	1.586	2.087	30
31	1.281		1.175		0.957		0.909	0.865		1.088		1.848	31
MEAN	1.355	1.167	1.340	1.156	1.022	0.911	0.885	0.865	1.035	1.215	1.395	1.314	MEAN
MAX	2.002	1.472	2.797	1.386	1.235	0.951	0.914	0.898	1.200	1.454	1.935	2.087	MAX
MIN	1.043	1.044	1.010	1.012	0.957	0.883	0.864	0.844	0.849	1.086	1.060	1.142	MIN

WATER LEVELS IN METRES

MEAN, 1.138
MAXIMUM DAILY, 2.797 ON MAR 12
MINIMUM DAILY, 0.844 ON AUG 27
MAXIMUM INSTANTANEOUS,
3.106 AT 22:51 EST ON MAR 12

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 27 44 N
LONG 081 08 55 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA,
233 km²

SAUBLE RIVER AT ALLENFORD - STATION NO. 02FA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.810B	5.95B	2.41B	5.36	1.82	1.13 E	0.974	0.604	0.268	0.653	1.73	12.0	1
2	0.855B	6.70B	2.37B	8.43	1.66	1.28 E	0.810	0.478	0.199	1.11	1.59	9.20	2
3	0.925B	5.35B	2.29B	13.0	1.61	1.42 E	0.680	0.380	0.262	1.24	1.48	7.15B	3
4	1.81 B	4.30B	2.22B	11.2	1.56	1.36 E	0.592	0.352	0.301	1.52	1.40	7.92	4
5	5.45 B	3.64B	2.13B	8.81	1.58	1.24 E	0.494	0.379	0.248	2.19	4.20	8.30B	5
6	8.00 B	3.31B	2.01B	6.59	1.55	1.14 E	0.452	0.389	0.125	1.88	29.9	8.76	6
7	7.10 B	3.06B	1.90B	5.17	1.54	1.07 E	0.400	0.378	0.078	1.28	18.3	7.40B	7
8	6.25 B	3.46B	1.79B	4.28	1.51	0.990E	0.447	0.343	0.102	0.939	13.4	6.66	8
9	5.45 B	7.10B	1.71B	3.77	1.37	1.00 E	0.728	0.395	0.115	1.88	10.4	6.61	9
10	4.90 B	12.8 B	2.98B	3.74	1.34	0.940E	0.792	0.230	0.209	7.55	8.46	13.0	10
11	4.73 B	8.50B	12.5 B	4.58	1.25	0.895E	0.671	0.219	0.193	13.2	7.45	10.2	11
12	4.48 B	5.75B	95.0 B	4.47	1.29	0.850E	0.537	0.225	0.143	7.90	7.43	7.40B	12
13	4.25 B	4.65B	90.2	4.05	1.25	0.890E	0.538	0.345	0.126	5.34	6.33	8.94	13
14	3.97 B	3.97B	51.0	3.89	1.22	0.920E	0.496	0.423	0.134	3.97	5.69	6.65B	14
15	3.66 B	3.52B	28.2	5.00	1.25	1.00 E	0.489	0.427	0.351	4.07	7.16	4.90B	15
16	3.25 B	3.20B	16.8	4.80	1.43	0.795E	0.475	0.388	0.567	3.89	7.67	4.38	16
17	7.75 B	2.95B	12.9	6.45	1.79	0.661	0.448	0.347	0.578	4.05	7.15	3.98	17
18	32.0 B	2.76B	10.3	6.93	6.46	0.608	0.449	0.307	0.478	7.05	6.54	5.75	18
19	39.0 B	2.59B	8.24	5.54	4.52	0.578	0.440	0.262	0.397	11.3	5.88	8.27	19
20	23.7 B	2.42B	6.43	4.88	5.26	0.555	0.493	0.238	0.331	8.09	5.28	5.05B	20
21	12.0 B	2.31B	5.34	8.40	9.56	0.534	0.557	0.210	0.293	5.81	4.55	4.45B	21
22	7.65 B	2.51B	4.87	7.48	6.70	0.527	0.595	0.217	0.337	4.98	15.5	9.22	22
23	6.00 B	3.48B	8.43	5.67	4.81	0.730	0.541	0.224	0.412	3.96	19.5	9.51	23
24	5.15 B	3.24B	9.49	4.56	3.63	0.879	0.459	0.241	0.528	3.16	16.2	6.00B	24
25	6.40 B	3.03B	8.75	3.81	2.73	0.858	0.326	0.239	0.548	2.64	12.9	4.10B	25
26	12.9 B	2.87B	8.34	3.30	2.19	0.750	0.290	0.221	0.519	2.28	10.2	3.59B	26
27	9.80 B	2.71B	6.87	2.96	1.85	0.657	0.308	0.211	0.453	2.02	23.4	3.33B	27
28	13.6 B	2.54B	5.70	2.53	1.64E	0.585	0.308	0.253	0.379	1.88	29.9	2.92B	28
29	10.9 B		5.08	2.26	1.55E	1.26	0.282	0.311	0.332	1.98	24.4	18.0 B	29
30	8.95 B		5.05	2.07	1.39E	1.21	0.392	0.302	0.441	2.03	15.9	52.0 B	30
31	7.74 B		5.60		1.27E		0.552	0.293		1.89		30.0 B	31
TOTAL	269.430	118.67	426.90	163.88	80.58	27.312	16.015	9.831	9.467	121.732	339.89	295.54	TOTAL
MEAN	8.69	4.24	13.8	5.46	2.60	0.910	0.517	0.317	0.316	3.93	11.3	9.53	MEAN
MAX	39.0	12.8	95.0	13.0	9.56	1.42	0.974	0.604	0.578	13.2	39.9	52.0	MAX
MIN	0.810	2.31	1.71	2.07	1.22	0.527	0.282	0.210	0.078	0.653	1.40	2.92	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.15
MAXIMUM DAILY, 95.0B ON MAR 12
MINIMUM DAILY, 0.078 ON SEP 07
MAXIMUM INSTANTANEOUS,
125 AT 14:59 EST ON MAR 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 32 06 N
LONG 081 10 41 W
DRAINAGE AREA, 301 km²

B - ICE CONDITIONS
E - ESTIMATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	23 300	JUL	1 380
FEB	10 300	AUG	849
MAR	36 900	SEP	818
APR	14 200	OCT	10 500
MAY	6 960	NOV	29 400
JUN	2 360	DEC	25 500

TOTAL DISCHARGE, 162 000 dam³

SAUBLE RIVER AT SAUBLE FALLS - STATION NO. 02FA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.78	26.4	13.4	23.0	10.5	4.92	5.19	2.90	1.79	3.22E	10.2	54.0E	1
2	5.92	26.2	13.0	24.8	9.88	4.66E	4.20	2.81	1.72	4.25E	9.62	42.5E	2
3	6.12	24.1	12.7	32.2	9.44	4.45E	3.45	2.70	1.66	3.53E	9.30	34.2E	3
4	7.11	22.2	12.4	31.1	8.49	4.35E	2.91	2.55	1.61	3.88E	9.71	30.5E	4
5	9.47	20.3	11.6	27.9	7.77	4.30E	2.70	2.98	1.63	4.48E	12.0	30.0E	5
6	12.3	19.0	10.8	24.8	7.66	4.25E	2.46	2.97	1.58	1.93E	12.0 E	30.2E	6
7	13.1	18.2	10.1	22.4	6.46	4.15E	2.97	2.76	1.49	3.31E	11.4	28.4E	7
8	12.8	17.9	9.69	21.0	5.16	4.05E	2.93	2.70	1.58	2.95E	15.5	27.3E	8
9	12.7	27.2	9.58	19.9	4.73	4.05E	6.99	2.62	1.52	6.65E	30.0	26.6E	9
10	12.9	34.9	10.9	19.9	4.61	4.00E	5.52	2.44	1.29	16.1 E	27.1	35.0E	10
11	13.1	28.6	18.1	20.7	4.40	3.92E	4.83	2.31	1.33	22.2 E	25.7	31.5E	11
12	12.8	23.9	68.0	20.1	4.15	3.72E	4.22	2.30	1.52	25.6 E	24.8	29.6E	12
13	12.3	21.5	124	19.1	4.01	3.57E	3.71	2.48	1.81	22.6 E	23.5	27.1E	13
14	12.2	20.7	125	18.5	3.88	3.44E	3.46	2.59	1.76	18.8 E	30.7 E	27.8E	14
15	12.2	18.7	100	19.5	4.05	3.33E	3.22E	2.58	1.78	16.4 E	27.6 E	25.7E	15
16	11.9	17.5	75.8	19.4	4.26	3.13E	3.12E	2.58	1.73	14.7 E	26.1 E	24.0E	16
17	15.6	16.9	60.0	19.8	8.18	3.06E	3.10E	2.48	1.70	13.6 E	25.1 E	23.2E	17
18	40.2	15.8	49.2	20.3	14.7	3.01E	2.93E	2.46	1.60	14.7 E	23.8 E	21.9E	18
19	50.1	15.3	43.1	18.9	12.5	2.97E	3.20	2.42	1.63	23.3	22.8 E	25.2E	19
20	44.9	14.0	38.7	17.9	12.4	2.96E	4.96	2.23	1.68	22.2	22.1 E	27.2E	20
21	38.3	13.5	35.4	20.9	16.1	2.95E	4.15	2.11	1.87E	18.1	18.7 E	22.1	21
22	31.2	14.2	33.3	21.0	14.7	3.02E	3.75	2.05	2.01E	16.6	17.4 E	24.6	22
23	26.9	16.0	34.4	19.0	12.2	3.34E	3.59	2.03	2.22E	15.0	51.5 E	27.5	23
24	25.6	16.7	35.0	17.9	10.4	3.78E	3.39	2.01	2.52E	13.8	49.5 E	24.8	24
25	27.4	15.4	32.6	16.1	9.35	3.58E	3.15	1.97	2.24E	13.4	44.5 E	20.0	25
26	33.6	14.9	31.2	14.9	8.35	3.39E	2.89	1.91	2.05E	12.7	37.8 E	19.0	26
27	36.5	14.6	29.2	13.9	7.63	3.24	2.74	1.92	1.90E	12.2	51.0 E	19.2	27
28	37.9	13.9	26.7	13.1	7.11	3.00	2.65	1.93	1.76E	11.5	71.0 E	19.2	28
29	37.5		25.1	12.3	6.59	4.65	2.55	1.98	1.69E	11.3	78.0 E	29.0	29
30	32.4		23.8	11.5	5.98	6.30	2.79	1.89	2.45E	10.9	67.0 E	60.1	30
31	28.6		23.5		5.38		3.20	1.83		10.6		64.6	31
TOTAL	679.40	548.5	1 146.27	601.8	251.01	113.56	110.32	73.49	52.73	392.10	972.43	928.0	TOTAL
MEAN	21.9	19.6	37.0	20.1	8.10	3.79	3.56	2.37	1.76	12.6	32.4	29.9	MEAN
MAX	50.1	34.9	125	32.2	16.1	6.30	6.99	2.98	2.52	25.6	78.0	64.6	MAX
MIN	5.78	13.5	9.58	11.5	3.88	2.95	2.37	1.83	1.29	2.95	9.30	19.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 16.1
MAXIMUM DAILY, 125 ON MAR 14
MINIMUM DAILY, 1.29 ON SEP 10
MAXIMUM INSTANTANEOUS,
137 AT 21:44 EST ON MAR 13

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 40 10 N
LONG 081 15 10 W
DRAINAGE AREA, 927 km²

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	58 700	JUL	9 530
FEB	47 400	AUG	6 350
MAR	99 000	SEP	4 560
APR	52 000	OCT	33 900
MAY	21 700	NOV	84 000
JUN	9 810	DEC	80 200

TOTAL DISCHARGE, 507 000 dam³

SAUGEEN RIVER ABOVE DURHAM - STATION NO. 02FC016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.07B	5.71B	4.10B	7.39	2.22	1.59	2.98	1.28	0.636	1.35	2.33	11.9	1
2	1.83B	5.35B	4.05B	8.53	2.64	1.93	2.41	1.09	0.598	1.33	2.27	8.67	2
3	3.01B	4.85B	3.72B	10.8	1.85	2.21	1.92	0.941	0.566	1.23	2.08	6.50B	3
4	4.40B	4.45B	3.48B	11.9	1.78	2.67	1.46	0.807	0.545	1.48	2.08	5.98	4
5	5.20B	4.15B	3.27B	10.1	1.98	2.35	1.17	0.781	0.592	2.19	3.16	6.40B	5
6	7.85B	3.98B	3.11B	8.01	2.03	2.09	1.08	0.730	0.561	2.12	12.1	6.76	6
7	6.60B	3.84B	2.86B	6.49	1.99	1.95	0.983	0.693	0.558	1.70	13.2	6.00B	7
8	5.15B	3.77B	2.66B	5.57	1.85	1.69	0.944	0.657	0.509	1.54	12.6	5.70	8
9	4.45B	6.30B	2.49B	5.11	1.84	1.49	1.17	0.585	0.499	1.08	9.50	5.00B	9
10	4.10B	13.8 B	2.69B	5.59	1.85	1.37	0.932	0.538	0.527	7.52	7.58	5.46	10
11	3.95B	11.4 B	3.70B	7.45	2.04	1.31	0.890	0.499	0.540	9.13	6.90	4.80B	11
12	3.63B	8.95B	26.2 B	7.85	2.26	1.24	0.849	0.516	0.504	7.88	5.65B	4.55B	12
13	3.33B	6.85B	74.6	6.71	2.17	1.29	0.761	2.44	0.469	6.28	5.05B	6.20	13
14	3.11B	6.20B	86.9	6.15	2.05	1.64	0.722	1.47	0.521	5.37	5.40B	6.80B	14
15	2.97B	5.55B	63.0	7.15	1.94	2.61	0.747	1.07	1.08	4.76	5.82	6.30B	15
16	2.82B	5.05B	41.1	7.85	1.88	2.83	0.750	0.929	1.02	4.31	9.79	5.70B	16
17	5.05B	4.65B	27.4	7.87	7.75	2.25	0.737	0.810	0.748	4.52	10.3	4.55B	17
18	21.0 B	4.25B	18.8	8.07	7.95	1.77	0.627	0.707	0.670	5.78B	8.32	5.33	18
19	16.8 B	3.95B	13.3	6.93	9.19	1.47	0.636	0.638	0.666	9.10	6.38	6.65	19
20	13.2 B	3.68B	9.75	6.19	10.8	1.26	1.08	0.601	0.681	7.15	5.35B	5.65B	20
21	11.1 B	3.51B	7.91	6.96	16.4	1.19	1.10	0.560	0.692	5.43	4.75	4.90B	21
22	9.45B	3.44B	7.45	6.89	14.0	1.24	0.984	0.534	0.795	4.60	7.83	7.83	22
23	7.80B	5.90B	11.8	5.98	9.05	1.98	0.947	0.530	1.02	3.92	12.5	11.2 B	23
24	6.70B	11.1 B	12.9	5.11	6.22	4.83	0.796	0.511	1.07	3.43	11.8	10.2 B	24
25	8.50B	8.75B	10.0	4.42	4.91	5.23	0.704	0.506	0.943	3.13	10.2	7.55B	25
26	14.1 B	7.20B	8.62	4.01	3.87	3.68	0.631	0.502	0.983	2.84	8.80B	5.85B	26
27	11.4 B	5.95B	7.21	3.54	3.24	2.53	0.575	0.528	0.888	2.59	10.9 B	4.90B	27
28	12.7 B	5.10B	6.08	3.13	3.47	1.90	0.525	1.27	0.815	2.72	19.9	4.35B	28
29	9.05B		5.78	2.77	2.66	2.61	0.487	1.23	0.775	2.84	21.7	11.4 B	29
30	6.95B		5.68	2.47	2.17	3.17	0.811	0.891	1.08	2.72	16.8	31.7	30
31	5.20B		6.24		1.84		1.93	0.737		2.49		33.8	31
TOTAL	223.47	167.68	486.85	196.99	131.30	65.32	32.338	25.581	21.551	123.53	263.04	258.58	TOTAL
MEAN	7.21	5.99	15.7	6.57	4.24	2.18	1.04	0.825	0.718	3.98	8.77	8.34	MEAN
MAX	21.0	13.8	86.9	11.9	16.4	5.21	2.98	2.44	1.08	9.13	21.7	33.8	MAX
MIN	1.83	3.44	2.49	2.47	1.78	1.19	0.487	0.499	0.469	1.23	2.08	4.35	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.47
MAXIMUM DAILY, 86.9 ON MAR 14
MINIMUM DAILY, 0.469 ON SEP 13
MAXIMUM INSTANTANEOUS,
108 AT 22:13 EST ON MAR 13

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 11 08 N
LONG 080 47 13 W
DRAINAGE AREA, 329 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	19 300	JUL	2 790
FEB	14 500	AUG	2 210
MAR	42 100	SEP	1 860
APR	17 000	OCT	10 700
MAY	11 300	NOV	22 700
JUN	5 640	DEC	22 300

TOTAL DISCHARGE, 172 000 dam³

SAUGEEN RIVER NEAR PORT ELGIN - STATION NO. 02FC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	23.4B	79.0B	51.5B	81.4E	38.3	29.2	30.0	29.8	14.6	18.9	31.0	149	1
2	20.6B	77.5B	49.5B	91.5E	36.1	28.0	28.2	24.6	13.1	25.8	29.7	117	2
3	24.7B	72.0B	46.5B	127 E	33.7	30.8	25.4	29.6	11.9	26.0	28.6	96.4B	3
4	29.8D	64.0B	43.0B	130 E	32.1	33.0	25.5	17.9	12.5	27.0	26.9	90.9	4
5	75.5B	59.0B	40.0B	118 E	32.3	34.7	20.3	16.2	12.5	31.1	37.2	86.0B	5
6	85.5B	55.5B	38.3B	102 E	35.0	33.5	18.4	15.6	13.2	34.9	173	88.0B	6
7	78.0B	53.0B	36.8B	86.9E	34.9	30.8	17.1	15.3	13.1	32.2	172	84.7	7
8	72.5B	50.5B	35.8B	76.5E	34.4	28.3	17.0	14.7	12.6	29.3	151	78.4	8
9	67.5B	116 B	35.0B	69.1E	32.2	25.8	17.2	13.8	12.0	31.2	126	76.0	9
10	85.7B	139 B	40.0B	66.1E	31.0	25.5	20.1	13.3	11.9	73.4	103	105	10
11	63.5B	117 B	89.0B	72.9E	30.9	24.0	21.2	12.9	12.1	120	89.7	88.7	11
12	58.5B	105	490 E	78.3E	32.0	23.2	19.2	12.5	12.2	110	81.3	72.8	12
13	53.0B	93.5	589 E	76.7E	32.1	22.3	17.3	12.6	11.9	88.9	72.6	79.0	13
14	48.5B	82.0B	552 E	71.7E	31.3	22.0	16.0	17.5	11.8	72.0	66.0	81.4	14
15	42.5B	72.0B	564 E	75.4E	31.0	22.1	15.8	20.5	13.4	63.2	70.2	74.3	15
16	38.3B	63.5B	466 E	79.7E	30.8	23.8	16.1	17.8	16.5	56.6	76.1	71.7	16
17	112 B	56.0B	317 E	92.2E	38.1	23.6	15.3	16.1	17.4	53.6	98.0	66.5	17
18	164 B	51.5B	235 E	99.4E	71.2	22.4	14.8	14.7	16.3	69.6	94.8	66.9	18
19	153 B	48.5B	187 E	88.9E	80.0	21.4	14.9	13.7	14.9	103	78.7	80.9	19
20	140 B	46.0B	147 E	81.2E	105	20.4	15.1	13.2	14.5	98.1	64.7B	76.0B	20
21	123 B	47.0B	120 E	93.4E	162	19.6	16.9	13.0	14.0	79.6	56.7	69.2	21
22	109 B	47.5B	103 E	90.8E	140	19.2	16.6	12.6	14.0	64.3	103	83.7	22
23	97.0B	70.8	118 E	84.1E	113	20.7	17.1	12.3	15.4	52.8	153	98.2	23
24	87.5B	91.5B	144 E	75.0E	92.7	23.3	16.2	12.0	16.4	45.6	146	104	24
25	98.0B	70.0B	131 E	63.0E	62.7	29.0	15.3	12.1	17.6	40.3	128	79.0B	25
26	135 B	59.0B	117 E	56.2	51.3	31.4	15.0	11.5	17.9	36.9	108	55.0B	26
27	121 B	56.0B	103 E	51.2	45.0	27.6	13.8	11.0	19.1	33.9	141	50.0B	27
28	138 B	54.5B	90.0E	47.1	39.5	23.7	13.0	14.3	18.3	31.8	229	45.0B	28
29	116 B		81.2E	43.1	36.9	23.6	13.2	18.8	17.0	33.4	229	142 B	29
30	99.0B		78.1E	40.8	35.0	27.5	13.4	17.9	16.4	33.2	191	370	30
31	87.0B		80.6E		31.9		17.7	15.9		32.3		306	31
TOTAL	2 627.0	1 996.8	5 218.3	2 403.2	1 622.4	770.4	552.1	484.7	434.5	1 648.9	3 155.2	3 131.7	TOTAL
MEAN	84.7	71.3	168	80.1	52.3	25.7	17.8	15.6	14.5	53.2	105	101	MEAN
MAX	164	139	589	130	162	34.7	30.0	29.8	19.1	120	229	370	MAX
MIN	20.6	46.0	35.0	40.8	30.8	19.2	13.0	11.0	11.8	18.9	26.9	45.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 65.9
MAXIMUM DAILY, 589E ON MAR 13
MINIMUM DAILY, 11.0 ON AUG 27

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 27 23 N
LONG 081 19 36 W
DRAINAGE AREA, 3 960 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	227 000	JUL	47 700
FEB	173 000	AUG	41 900
MAR	451 000	SEP	37 500
APR	208 000	OCT	142 000
MAY	140 000	NOV	273 000
JUN	66 600	DEC	271 000

TOTAL DISCHARGE, 2 080 000 dam³

SAUGEEN RIVER NEAR WALKERTON - STATION NO. 02FC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	13.6B	41.2B	29.5B	52.4	22.1	17.1	21.3	19.0	8.38	17.1	19.2	83.4	1
2	12.1B	38.7B	28.7B	57.6	20.4	19.7	18.7	13.7	7.05	17.6	18.3	64.2	2
3	15.2B	36.3B	26.1B	70.0	19.2	23.5	15.7	11.6	8.04	15.5	17.7	54.0	3
4	17.4B	33.5B	23.8B	73.3	18.8	25.3	13.6	9.96	6.88	16.5	16.7	48.5B	4
5	33.6B	31.7B	22.1B	66.3	20.7	25.5	11.9	8.88	8.27	23.0	23.7	45.5B	5
6	38.9B	30.1B	21.1B	56.9	20.6	22.4	11.0	9.20	7.80	23.8	79.8	50.5	6
7	35.2B	29.8B	20.2B	49.3	21.0	20.0	10.6	9.14	7.60	21.4	104	48.7	7
8	32.4B	27.6B	19.8B	43.8	19.7	17.0	9.50	8.82	7.31	18.3	93.8	45.2	8
9	31.2B	45.0B	19.7B	40.5	18.6	17.0	12.3	8.08	6.68	25.3	71.8	42.8	9
10	30.0B	70.0	22.0B	41.4	18.8	15.8	13.1	7.68	6.78	61.4	57.3	44.5	10
11	29.1B	64.0B	47.0B	48.6	19.6	15.0	11.6	7.38	7.64	80.5	51.0	42.6	11
12	25.4B	58.5B	179	51.1	20.2	14.0	10.3	6.76	7.05	73.2	46.8	40.3	12
13	23.2B	55.2	331	47.7	19.8	13.7	9.24	11.7	6.93	59.1	42.2	44.0	13
14	21.7B	48.4B	412	44.6	19.1	14.0	8.80	14.9	7.32	47.7	40.2	47.0B	14
15	20.2B	41.5B	345	47.6	18.5	15.8	9.18	11.8	11.3	40.7	42.8	43.5B	15
16	19.2B	37.7B	233	52.1	18.7	15.9	8.63	10.4	11.6	36.5	62.4	41.3B	16
17	24.5B	33.2B	164	55.4	29.8	14.7	9.32	9.45	10.8	36.6	75.2	40.3	17
18	83.5B	30.4B	123	56.4	54.4	13.9	8.68	8.62	9.50	45.5	64.4	41.4	18
19	70.3B	28.3B	93.1	51.6	55.2	13.3	8.71	7.90	8.90	60.6	50.8	49.1	19
20	59.5B	26.2B	73.7	46.8	66.1	12.7	10.1	7.56	8.69	59.3	42.0	43.5B	20
21	53.0B	27.2B	62.4	50.3	93.2	12.0	11.6	7.80	8.47	48.6	37.3	40.7B	21
22	48.0B	32.7	57.6	51.0	88.4	11.6	10.1	7.30	9.66	39.2	50.6	49.3	22
23	43.0B	51.0B	81.6	46.0	65.2	15.1	10.4	7.35	10.3	33.2	84.9	70.8	23
24	39.6B	54.0B	90.5	40.9	47.7	20.0	9.62	7.43	11.4	28.3	86.7	63.0B	24
25	35.2B	43.0B	76.1	36.9	38.4	25.8	9.05	7.19	10.6	25.1	74.8	46.0B	25
26	59.0B	37.0B	66.1	33.5	32.8	21.2	8.18	6.15	11.7	23.1	62.8	37.2B	26
27	54.5B	33.7B	58.0	30.6	28.0	16.5	7.73	6.92	11.5	21.1	67.6	33.4B	27
28	59.6B	31.3B	51.5	28.2	25.6	14.9	7.24	12.6	10.3	21.4	119	30.7B	28
29	53.9B		47.9	25.9	25.3	16.8	6.81	12.9	9.36	22.3	139	67.0B	29
30	51.5B		48.3	24.1	22.2	22.3	9.71	10.7	11.2	21.3	113	193 B	30
31	42.7B		50.6		20.0		23.9	9.37		20.2		199 B	31
TOTAL	1 176.4	1 115.2	2 924.4	1 421.0	1 008.1	524.5	346.60	297.34	269.01	1 083.4	1 855.2	1 790.4	TOTAL
MEAN	37.9	39.8	94.3	47.4	32.5	17.5	11.2	9.59	8.97	34.9	61.8	57.8	MEAN
MAX	83.5	70.0	412	73.3	93.2	25.8	23.9	19.0	11.7	80.5	139	199	MAX
MIN	12.1	26.2	19.7	24.1	18.5	11.6	6.81	6.15	6.68	15.5	16.7	30.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 37.8
MAXIMUM DAILY, 412 ON MAR 14
MINIMUM DAILY, 6.15 ON AUG 26
MAXIMUM INSTANTANEOUS,
422 AT 15:15 EST ON MAR 14

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 07 13 N
LONG 081 06 55 W
DRAINAGE AREA, 2 150 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	102 000	JUL	29 900
FEB	96 400	AUG	25 700
MAR	253 000	SEP	23 200
APR	123 000	OCT	93 600
MAY	87 100	NOV	160 000
JUN	45 300	DEC	155 000

TOTAL DISCHARGE, 1 190 000 dam³

SCHNEIDER CREEK AT KITCHENER - STATION NO. 02GA037

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.177	0.743	0.222	0.161	0.155	0.125	0.051	0.056	0.055	0.405E	0.096	0.110	1
2	0.113	0.373	0.404	0.458	0.152	0.087	0.045	0.050	0.055	0.310E	0.083	0.093	2
3	0.165	0.166	0.224B	0.258	0.146	0.672	0.085	0.069	0.054	0.138E	0.069	1.11	3
4	1.96	0.157	0.114B	0.356	0.423	0.229	0.268	0.060	0.220	0.360E	0.066	0.960	4
5	0.422	0.173	0.100B	0.225	0.922	0.119	0.188	0.179	0.147	0.800E	5.11	0.270	5
6	0.155	0.327	0.110B	0.171	0.080	0.130	0.103	0.064	0.306	0.200E	1.20	0.219	6
7	0.101	0.315	0.145	0.117	0.115	0.114	0.069	0.082	0.605	0.118E	0.366	0.191	7
8	0.122	0.819	0.250	0.100	0.127	0.254	1.53 A	0.104	0.071	0.130E	0.239	0.158	8
9	0.168	1.81	0.675	0.145	0.129	0.091	0.895	0.108	0.073	1.70 E	0.253	0.214	9
10	0.384	0.581	0.845	1.10	0.268	0.076	0.139	0.109	0.315	0.580E	0.196	0.411	10
11	0.217	0.293	2.52	0.671	0.095	0.096	0.119	0.185	0.271	0.680E	0.168	0.199	11
12	0.169	0.233	2.27	0.168	0.165	0.111	0.112	0.624	0.107	1.12 E	0.203	0.200	12
13	0.086	0.480	1.68	0.096	1.04	0.118	0.104	1.19	0.101	1.30 E	0.135	0.544	13
14	0.049	0.341	0.928	0.287	0.151	0.126	0.322	0.143	1.10 A	0.600E	0.149	0.155	14
15	0.126	0.183	0.603	0.232	0.150	0.111	0.094	0.139	0.180E	0.320E	0.144	0.143	15
16	0.173	0.221	0.527	0.176	1.62	0.077	0.086	0.132	0.101E	0.280E	0.154	0.184	16
17	3.10	0.164	0.362	0.457	1.50	0.054	0.271	0.117	0.097E	2.05 E	0.097	0.169	17
18	1.79	0.129	0.238	0.212	0.190	0.179	0.609	0.084	0.094E	0.860E	0.083	0.765	18
19	0.288	0.156	0.356	0.161	0.219	0.113	0.267	1.13	0.127E	0.249A	0.099	0.307	19
20	0.209	0.153	0.258	0.679	1.80	0.105	0.855	0.114	0.165E	0.140	0.112	0.147	20
21	0.194	0.158	0.254	0.291	0.353	0.241	0.070	0.113	0.200E	0.124	0.111	0.730	21
22	0.187	5.48	0.696	0.136	0.249	1.08	1.18	0.103	0.270E	0.163	1.06	0.506	22
23	0.180	1.97	0.558	0.162	0.222	1.69	0.181	0.103	0.320E	0.163	0.327	0.853	23
24	1.00	0.574	0.173	0.173	0.189	0.123	0.088	0.088	0.250E	0.155	0.173	0.288B	24
25	1.27	0.400B	0.122	0.179	0.139	0.105	0.074	0.070	0.170E	0.134	0.138	0.193B	25
26	0.470	0.250B	0.145	0.118	0.089	0.107	0.072	0.056	0.145E	0.132	0.124	0.143B	26
27	0.473	0.210B	0.160	0.067	0.081	0.102	0.066A	0.258	0.130E	0.097	0.652	0.101	27
28	0.508	0.206	0.160	0.056	0.123	0.103	0.056	0.423	0.120E	0.088	0.552	0.124	28
29	0.295		0.137	0.051	0.129	0.841	0.042	0.126	0.115E	0.125	0.176	8.10	29
30	0.295		0.470	0.096	0.136	0.087	1.27	0.097	0.160E	0.152	0.128	2.34	30
31	0.220		0.165		0.138		0.103	0.070		0.122		0.686	31
TOTAL	15.066	17.065	15.881	7.559	11.325	7.466	9.414	6.246	6.124	13.795	12.463	20.613	TOTAL
MEAN	0.486	0.610	0.512	0.252	0.365	0.249	0.304	0.202	0.204	0.445	0.415	0.665	MEAN
MAX	3.10	5.48	2.52	1.10	1.80	1.69	1.53	1.19	1.10	2.05	5.11	8.10	MAX
MIN	0.049	0.129	0.100	0.051	0.080	0.054	0.042	0.050	0.054	0.088	0.066	0.093	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MEAN, 0.392
MAXIMUM DAILY, 8.10 ON DEC 29
MINIMUM DAILY, 0.042 ON JUL 29
MAXIMUM INSTANTANEOUS,
31.0 AT 06:49 EST ON DEC 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 26 22 N
LONG 080 28 34 W
DRAINAGE AREA, 25.1 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 300	JUL	813
FEB	1 470	AUG	540
MAR	1 370	SEP	529
APR	653	OCT	1 190
MAY	978	NOV	1 080
JUN	645	DEC	1 780

TOTAL DISCHARGE, 12 300 dam³

SCHOMBERG RIVER NEAR SCHOMBERG - STATION NO. 02EC010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	0.017	0.105	0.092	0.155	1
2	---	---	---	---	---	---	---	---	0.020	0.092	0.092	0.146	2
3	---	---	---	---	---	---	---	---	0.018	0.083	0.088	0.169	3
4	---	---	---	---	---	---	---	---	0.023	0.099	0.092	0.200B	4
5	---	---	---	---	---	---	---	---	0.026	0.116	0.296	0.400B	5
6	---	---	---	---	---	---	---	---	0.020	0.085	1.01	0.500B	6
7	---	---	---	---	---	---	---	---	0.016	0.072	0.642	0.350B	7
8	---	---	---	---	---	---	---	---	0.016	0.067	0.389	0.270B	8
9	---	---	---	---	---	---	---	0.016A	0.016	0.415	0.300	0.225B	9
10	---	---	---	---	---	---	---	0.014	0.021	0.465	0.282	0.210B	10
11	---	---	---	---	---	---	---	0.046	0.019	0.339	0.264	0.260B	11
12	---	---	---	---	---	---	---	0.074	0.017	0.327	0.230	0.230B	12
13	---	---	---	---	---	---	---	0.123	0.015	0.395	0.199	0.200B	13
14	---	---	---	---	---	---	---	0.080	0.036	0.272	0.192	0.270B	14
15	---	---	---	---	---	---	---	0.059	0.043	0.205	0.196	0.220B	15
16	---	---	---	---	---	---	---	0.053	0.036	0.167	0.205	0.180B	16
17	---	---	---	---	---	---	---	0.038	0.029	0.339	0.190	0.170B	17
18	---	---	---	---	---	---	---	0.032	0.027	0.537	0.170	0.190B	18
19	---	---	---	---	---	---	---	0.036	0.042	0.508	0.157	0.431	19
20	---	---	---	---	---	---	---	0.032	0.038	0.333	0.148	0.300B	20
21	---	---	---	---	---	---	---	0.031	0.036	0.230	0.147	0.270B	21
22	---	---	---	---	---	---	---	0.031	0.036	0.170	0.207	0.260B	22
23	---	---	---	---	---	---	---	0.029	0.032	0.153	0.234	1.52	23
24	---	---	---	---	---	---	---	0.025	0.028	0.139	0.223	0.900B	24
25	---	---	---	---	---	---	0.032A	0.023	0.027	0.133	0.204	0.380B	25
26	---	---	---	---	---	---	---	0.019	0.041	0.125	0.184	0.260B	26
27	---	---	---	---	---	---	---	0.024	0.031	0.115	0.186	0.230	27
28	---	---	---	---	---	---	---	0.030	0.029	0.110	0.193	0.214	28
29	---	---	---	---	---	---	---	0.027	0.035	0.113	0.182	1.29	29
30	---		---	---	---	---	---	0.023	0.163	0.102	0.165	2.42	30
31	---		---		---		---	0.017		0.095		1.25 B	31
TOTAL	---	---	---	---	---	---	---	---	0.953	6.506	7.159	14.070	TOTAL
MEAN	---	---	---	---	---	---	---	---	0.032	0.210	0.239	0.454	MEAN
MAX	---	---	---	---	---	---	---	---	0.163	0.537	1.01	2.42	MAX
MIN	---	---	---	---	---	---	---	---	0.015	0.067	0.088	0.146	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 00 43 N
LONG 079 41 10 W
DRAINAGE AREA, 42.9 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	82.3
APR	---	OCT	562
MAY	---	NOV	619
JUN	---	DEC	1 220

SECOND CONCESSION DRAIN NEAR ESSEX (CONTROL) - STATION NO. 02GH014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.013B	0.006	0.003B	0.041	0.001	0	0.004	0	0.001	0.001	0.001	0.004	1
2	0.004B	0.313	0.007B	0.079	0.001	0.001	0.002	0	0	0	0.001	0.002	2
3	0.008B	0.075	0.014B	0.075	0.001	0.004	0.001	0	0	0	0.002	0.345	3
4	0.050B	0.027	0.004B	0.073	0.078	0.005	0.001	0	0	0.023	0.002	0.099	4
5	0.068B	0.015	0.002B	0.041	0.075	0.001	0.001	0	0	0.026	0.106	0.008	5
6	0.034B	0.077	0.002B	0.026	0.013	0.001	0	0	0.092	0.006	0.109	0.001	6
7	0.025B	0.162	0.002B	0.018	0.007	0.001	0	0	1.50	0.003	0.003	0.002	7
8	0.024B	0.091	0.002B	0.014	0.004	0.127	0	0	0.130	0.003	0.001	0.002	8
9	0.037B	0.042	0.050B	0.013	0.003	0.024	0	0	0.015	0.123	0.002	0.001	9
10	0.097B	0.022	0.228B	0.236	0.003	0.004	0	0	0	0.336	0.004	0.004	10
11	0.044B	0.011	0.190B	0.158	0.002	0.002	0	0	0	0.165	0.004	0.005	11
12	0.029B	0.006	0.126	0.045	0.001	0.001	0	0	0.001	0.005	0.003	0.004	12
13	0.008B	0.006	0.065	0.023	0.211	0.001	0	0.005	0.001	0.002	0.002	0.003	13
14	0.007B	0.004	0.042	0.059	0.051	0.001	0.059	0.001	0.435	0.001	0.001	0.001	14
15	0.006B	0.020	0.029	0.036	0.015	0.001	0.010	0.001	0.241	0.001	0.002	0.002	15
16	0.008B	0.062	0.032	0.019	0.248	0.001	0.001	0	0.541	0.001	0.003	0.003	16
17	0.139	0.061B	0.034	0.013	0.118	0.001	0.001	0	0.134	0.005	0.003	0.002	17
18	0.302	0.047B	0.016	0.007	0.014	0.001	0	0.001	0.046	0.053	0.002	0.033	18
19	0.088	0.062	0.012	0.006	0.004	0.001	0	0.109	0.368	0.004	0.002	0.078	19
20	0.016	0.062	0.012	0.020	0.004	0.001	0	0.003	0.106	0.001	0.002	0.018	20
21	0.008	0.030	0.010	0.103	0.003	0.003	0	0.002	0.076	0.003	0.002	0.131	21
22	0.005	1.53	0.011	0.027	0.002	0.002	0.001	0.001	0.099	0.007	0.006	0.175	22
23	0.007	0.619	0.010	0.015	0.001	0.010	0.001	0.001	0.030	0.008	0.006	0.117	23
24	0.105	0.108B	0.007	0.009	0.001	0.006	0	0	0.017	0.006	0.006	0.050B	24
25	0.109	0.060B	0.007	0.007	0.001	0.002	0	0.001	0.009	0.004	0.003	0.012B	25
26	0.034	0.013B	0.006	0.005	0.001	0.001	0	0.001	0.004	0.002	0.002	0.007B	26
27	0.010	0.008B	0.004	0.004	0.001	0	0	0	0.001	0.002	0.004	0.006B	27
28	0.009	0.005B	0.004	0.004	0.001	0.044	0	0.001	0.001	0.002	0.064	0.005B	28
29	0.007		0.004	0.003	0.001	0.024	0	0.002	0.001	0.001	0.017	1.00 B	29
30	0.004		0.006	0.002	0	0.006	0	0.001	0.001	0.001	0.005	1.19 B	30
31	0.003		0.009		0		0	0.001		0.001		0.148	31
TOTAL	1.308	3.544	0.950	1.181	0.866	0.277	0.082	0.131	3.850	0.796	0.370	3.460	TOTAL
MEAN	0.042	0.127	0.031	0.039	0.028	0.009	0.003	0.004	0.128	0.026	0.012	0.112	MEAN
MAX	0.302	1.53	0.228	0.236	0.248	0.127	0.059	0.109	1.50	0.336	0.109	1.19	MAX
MIN	0.003	0.004	0.002	0.002	0	0	0	0	0	0	0.001	0.001	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.046
MAXIMUM DAILY, 1.53 ON FEB 22
MINIMUM DAILY, 0 ON MAY 30
MAXIMUM INSTANTANEOUS,
3.35 AT 03:47 EST ON SEP 07

REMARKS - STATION ACTIVATED JANUARY, 1989

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 11 37 N
LONG 082 44 14 W
DRAINAGE AREA, 3.19 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	113	JUL	7.08
FEB	306	AUG	11.3
MAR	82.1	SEP	333
APR	102	OCT	68.8
MAY	74.8	NOV	32.0
JUN	23.9	DEC	299

TOTAL DISCHARGE, 1 450 dam³

SEINE RIVER AT STURGEON FALLS GENERATING STATION - STATION NO. 05PB009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	20.7	16.7	18.3	39.8	74.3	98.8	76.2	55.0	22.1	0	36.2	39.1	1
2	17.8	16.6	22.7	45.5	85.9	93.2	77.9	57.2	22.1	0	36.2	34.1	2
3	18.1	16.6	22.1	46.4	85.3	97.8	76.1	55.1	18.4	0	36.1	36.5	3
4	17.8	16.3	20.6	44.5	86.9	103	83.8	56.2	17.4	0	37.0	36.5	4
5	18.1	17.4	22.6	40.8	83.9	127	103	56.5	37.8	0	27.8	32.1	5
6	18.1	16.8	22.6	44.8	81.6	98.1	90.4	45.8	38.2	0	29.9	32.8	6
7	20.1	18.1	20.1	45.4	79.6	85.4	86.6	50.7	35.5	0	30.8	32.7	7
8	20.1	18.7	21.2	44.0	77.9	81.2	73.7	49.9	6.37	0	28.9	32.3	8
9	20.7	17.3	17.4	43.0	81.8	83.7	68.2	48.1	15.7	0	29.1	36.7	9
10	20.6	17.7	17.4	38.0	78.2	81.6	69.2	38.7	25.0	0	21.6	34.2	10
11	19.1	17.3	16.3	37.0	77.2	77.6	71.3	43.8	30.3	0	9.62	36.3	11
12	17.8	17.8	16.1	37.5	79.9	68.4	79.0	40.9	30.5	9.75	35.6	31.8	12
13	15.3	16.8	16.0	34.5	83.0	51.9	85.9	40.1	31.1	19.1	39.8	34.2	13
14	15.7	17.4	16.0	40.2	89.2	57.1	80.4	37.1	26.6	18.4	40.2	34.6	14
15	17.4	17.4	17.8	38.7	112	57.8	71.5	34.5	20.6	21.2	40.2	31.0	15
16	19.1	17.7	21.2	35.3	114	66.1	71.7	31.2	0	11.9	37.0	32.8	16
17	17.8	17.7	25.5	36.2	116	85.9	76.3	34.1	27.6	9.12	33.7	32.5	17
18	17.8	17.4	29.6	38.1	122	76.8	75.2	33.7	22.7	---	32.1	27.1	18
19	17.3	17.4	27.8	35.5	127	69.3	74.1	29.9	24.0	5.20	35.9	28.5	19
20	17.4	13.6	37.2	37.5	125	77.1	62.9	35.7	24.3	---	37.4	28.7	20
21	17.4	17.1	39.8	37.8	120	76.2	56.6	35.3	28.3	---	32.5	30.0	21
22	16.8	16.1	29.5	37.0	116	76.8	68.1	35.0	0	14.9	36.2	32.6	22
23	16.1	21.2	25.6	38.7	112	75.6	71.6	35.3	0	---	34.1	31.4	23
24	16.1	23.5	22.7	42.8	112	62.9	65.7	33.3	15.7	---	37.1	28.7	24
25	16.3	20.1	28.1	35.4	102	56.2	61.7	38.5	12.2	---	39.2	20.7	25
26	16.6	18.3	41.2	45.1	98.3	56.1	58.8	36.2	11.4	4.96	36.0	32.4	26
27	16.7	18.7	39.7	68.5	101	55.7	54.6	35.3	11.4	42.9	37.3	35.8	27
28	16.7	18.7	43.9	74.4	100	60.4	53.9	35.5	11.5	43.2	44.3	30.0	28
29	16.7		39.8	73.4	91.0	73.4	55.5	30.5	0	41.3	38.7	19.1	29
30	16.8		41.1	91.4	86.5	78.8	57.1	33.9	0	41.0	39.2	19.5	30
31	16.3		39.7		68.8		52.2	29.7		47.0		31.8	31
TOTAL	549.3	498.4	831.8	1 347.2	2 968.3	2 309.9	2 209.2	1 242.7	592.77	---	1 030.02	976.1	TOTAL
MEAN	17.7	17.8	26.8	44.9	95.8	77.0	71.3	40.1	19.8	---	34.3	31.5	MEAN
MAX	20.7	23.5	43.9	91.4	127	127	103	57.2	38.2	---	44.3	39.1	MAX
MIN	15.3	13.6	16.0	34.5	68.8	51.9	52.2	24.1	0	---	9.62	19.1	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 127 ON MAY 19
MINIMUM DAILY, 0 ON SEP 16

DATA CONTRIBUTED BY -
BOISE CASCADE CANADA LIMITED

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 48 44 40 N
LONG 092 17 05 W
DRAINAGE AREA, 5 880 km²

REGULATED SINCE 1958

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	47 500	JUL	191 000
FEB	43 100	AUG	107 000
MAR	71 900	SEP	51 200
APR	116 000	OCT	---
MAY	256 000	NOV	89 000
JUN	200 000	DEC	84 300

SERPENT RIVER ABOVE QUIRKE LAKE - STATION NO. 02CD006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.625B	0.600B	2.60B	4.28	5.37	3.54	3.58	1.64	0.512	0.584	1.54	6.51	1
2	0.620B	0.610B	3.30B	4.26	5.43	3.16	3.35	1.55	0.481	0.657	1.56	6.15	2
3	0.620B	0.620B	4.00B	4.28	5.54	3.18	3.12	1.47	0.454	0.734	1.55	5.20B	3
4	0.623B	0.630B	3.85B	4.25	5.47	3.17	2.97	1.40	0.461	1.15	1.54	4.95B	4
5	0.605B	0.640B	4.00B	4.24	5.12	2.70	2.65	1.39	0.474	1.28	1.54	4.70B	5
6	0.600B	0.655B	4.20B	4.10	4.76	2.28	2.46	1.33	0.483	1.26	1.79	4.55B	6
7	0.600B	0.670B	4.40B	3.88	4.60	2.22	2.18	1.25	0.480	1.16	1.76	4.40B	7
8	0.600B	0.680B	4.50B	3.74	4.65	1.78	2.21	1.16	0.491	1.04	1.72	4.20B	8
9	0.598B	0.700B	4.80B	3.73	4.70	1.44	2.44	1.12	0.485	0.983	1.69	4.05B	9
10	0.595B	0.720B	5.65B	3.91	5.66	1.27	2.41	1.05	0.476	0.942	1.82	3.95B	10
11	0.585B	0.750B	6.20B	3.89	7.14	1.21	2.28	1.02	0.444	1.03	1.90	3.80B	11
12	0.575B	0.770B	6.35B	3.18	6.81	1.15	2.10	1.04	0.477	1.08	2.02	3.60B	12
13	0.570B	0.785B	6.40B	2.53	6.16	1.18	2.01	1.14	0.512	1.11	2.02	3.45B	13
14	0.560B	0.812B	6.35B	2.44	5.65	1.24	1.92	1.15	0.505	1.08	1.75	3.35B	14
15	0.550B	0.845B	6.50B	2.53	5.45	1.24	1.85	1.04	0.621	1.21 A	1.69	3.25B	15
16	0.545B	0.890B	7.00B	2.66	5.69	1.26	1.89	0.799	0.687	1.42 A	1.79	3.15B	16
17	0.555B	0.920B	9.06	2.89	8.44	1.27	2.02	0.651	0.710	1.61 A	2.10	3.05B	17
18	0.595B	0.960B	8.58	2.97	11.6	1.39	2.22	0.513	0.642	2.31	2.33	3.00B	18
19	0.600B	1.00 B	7.60	3.03	11.7	1.55	2.18	0.436	0.634	2.99	2.33	2.98B	19
20	0.590B	1.05 B	6.80	3.24	10.4	1.57	2.09	0.431	0.624	3.02	2.30	2.90B	20
21	0.585B	1.20 B	6.35	3.63	9.38	1.54	1.97	0.404	0.619	2.81	2.48	2.80B	21
22	0.580B	1.60 B	6.62	4.17	8.50	1.52	1.86	0.385	0.692	2.58	4.02	2.77B	22
23	0.580B	2.10 B	6.84	4.82	7.73	2.20	1.80	0.356	0.674	2.38	5.22	2.73B	23
24	0.575B	2.20 B	6.33	5.42	7.13	3.06	1.75	0.362	0.668	2.24	6.84	2.69B	24
25	0.570B	2.25 B	5.87	5.99	6.63	2.92	1.68	0.399	0.652	2.06	7.24	2.63B	25
26	0.570B	2.33 B	5.49	6.52	6.10	3.18	1.69	0.421	0.640	1.90	6.51	2.58B	26
27	0.573B	2.40 B	5.07	5.82	5.84	4.01	1.71	0.434	0.655	1.80	6.31	2.53B	27
28	0.578B	2.50 B	4.71	5.21	5.44	4.12	1.69	0.446	0.622	1.81	7.20	2.51B	28
29	0.580B		4.66	5.17	5.03	3.92	1.64	0.476	0.587	1.82	7.71	2.50B	29
30	0.585B		4.59	4.98	4.65	3.74	1.72	0.491	0.568	1.64	7.14	2.48B	30
31	0.595B		4.44		4.29		1.70	0.519		1.57		2.45B	31
TOTAL	18.182	31.887	173.11	121.75	201.06	68.01	67.05	26.273	17.121	49.280	97.41	109.85	TOTAL
MEAN	0.587	1.14	5.58	4.06	6.49	2.27	2.16	0.848	0.571	1.59	3.25	3.54	MEAN
MAX	0.625	2.50	9.06	6.52	11.7	4.12	3.58	1.64	0.710	3.02	7.71	6.51	MAX
MIN	0.545	0.600	2.60	2.44	4.29	1.15	1.64	0.356	0.444	0.584	1.54	2.45	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.69
MAXIMUM DAILY, 11.7 ON MAY 19
MINIMUM DAILY, 0.356 ON AUG 23
MAXIMUM INSTANTANEOUS,
12.1 AT 03:54 EST ON MAY 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 31 00 N
LONG 082 37 00 W
DRAINAGE AREA, 157 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 570	JUL	5 790
FEB	2 760	AUG	2 270
MAR	15 000	SEP	1 480
APR	10 500	OCT	4 260
MAY	17 400	NOV	8 420
JUN	5 880	DEC	9 490

TOTAL DISCHARGE, 84 800 dam³

SERPENT RIVER AT HIGHWAY NO. 17 - STATION NO. 02CD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.25B	8.25B	7.58B	34.8	33.4	35.7	29.4	11.5	3.54	1.63	14.0	49.9	1
2	5.20B	8.20B	7.50B	34.7	33.3	32.9	28.1	11.0	3.46	1.68	13.9	48.5	2
3	5.17B	8.35B	7.40B	34.5	32.4	30.9	26.7	10.6	3.24	1.69	13.6	46.6	3
4	5.15B	8.40B	7.30B	33.5	31.2	29.0	25.4	10.4	3.28	1.82	13.5	45.0	4
5	5.15B	8.30B	7.20B	32.5	30.0	27.8	24.4	10.2	3.24	1.83	13.6	43.4	5
6	5.20B	8.25B	7.10B	31.7	28.8	26.7	23.1	9.64	3.06	1.81	14.3	42.2	6
7	5.22B	8.20B	7.05B	31.1	29.1	25.2	21.8	9.12	2.92	2.01	14.5	40.6	7
8	5.25B	8.10B	7.00B	30.8	27.9	24.1	21.9	8.57	2.68	2.05	14.5	39.4	8
9	5.30B	8.00B	6.95B	30.5	27.8	23.6	22.9	8.00	2.54	2.15	14.9	37.8	9
10	5.34B	8.00B	6.90B	30.2	28.6	22.9	22.2	7.53	2.31	2.42	16.6	36.2	10
11	5.42B	7.95B	6.90B	29.6	29.6	22.1	21.1	7.10	2.18	2.68	17.4	35.1	11
12	5.50B	7.90B	7.10B	28.9	30.1	21.5	20.2	6.74	2.35	2.56	17.5	33.8	12
13	5.55B	7.85B	8.10B	28.4	29.6	21.8	19.1	6.67	2.34	2.40	17.2	32.7	13
14	5.60B	7.84B	9.80B	27.9	29.2	21.2	18.1	6.46	2.28	2.41	16.9	31.7	14
15	5.60B	7.82B	13.0 B	27.5	29.0	20.0	17.4	6.31	2.24	3.17	16.5	30.6	15
16	5.65B	7.80B	23.5	27.5	30.5	19.2	17.4	6.17	2.15	3.63	16.9	29.6	16
17	5.68B	7.80B	33.5	27.9	41.1	18.8	17.1	5.99	2.01	4.92	17.4	28.6	17
18	5.80B	7.79B	39.7	27.6	54.7	18.8	16.7	5.86	1.92	7.16	17.8	28.4	18
19	6.20B	7.78B	41.9	27.1	61.3	18.4	16.1	5.73	1.89	10.9	18.1	27.7	19
20	6.40B	7.75B	42.3	26.7	60.7	17.6	15.7	5.43	1.85	13.6	18.5	26.9	20
21	6.50B	7.65B	41.9	27.2	57.1	17.4	15.3	5.12	1.89	14.2	21.5	26.2	21
22	6.60B	7.60B	41.4	27.8	53.3	17.6	14.6	4.99	2.27	14.5	43.6	25.4	22
23	6.70B	7.55B	42.9	28.4	50.6	23.4	14.1	4.81	2.31	14.4	53.0	24.4	23
24	6.90B	7.50B	44.0	29.5	48.0	30.4	13.7	4.59	2.20	13.8	52.1	23.6	24
25	7.30B	7.55B	43.1	31.4	46.3	31.9	13.4	4.47	2.15	13.4	48.5	23.0	25
26	7.60B	7.60B	42.3	33.7	44.4	31.6	13.0	4.32	2.05	13.1	44.9	22.3	26
27	8.10B	7.60B	40.9	35.1	42.7	31.8	12.6	4.18	1.90	13.0	44.1	21.8	27
28	8.60B	7.62B	39.5	35.2	41.1	31.6	12.2	4.06	1.76	13.9	47.2	21.3	28
29	8.70B		38.0	34.5	39.2	30.9	12.0	3.96	1.68	14.1	48.5	21.3	29
30	8.60B		36.8	33.6	37.5	30.1	12.3	3.79	1.61	14.4	49.4	21.1	30
31	8.45B		35.8		36.0		12.0	3.64		14.2		20.7	31
TOTAL	193.68	221.00	744.38	919.8	1 193.5	754.9	570.0	206.95	71.30	225.72	770.4	985.8	TOTAL
MEAN	6.25	7.89	24.0	30.7	38.5	25.2	18.4	6.68	2.38	7.28	25.7	31.8	MEAN
MAX	8.70	8.40	44.0	35.2	61.3	35.7	29.4	11.5	3.54	14.5	53.0	49.9	MAX
MIN	5.15	7.50	6.90	26.7	27.8	17.4	12.0	3.64	1.61	1.63	13.5	20.7	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.8
MAXIMUM DAILY, 61.3 ON MAY 19
MINIMUM DAILY, 1.61 ON SEP 30
MAXIMUM INSTANTANEOUS,
62.0 AT 16:13 EST ON MAY 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 12 47 N
LONG 082 30 33 W
DRAINAGE AREA, 1 350 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	16 700	JUL	49 200
FEB	19 100	AUG	17 900
MAR	64 300	SEP	6 160
APR	79 500	OCT	19 500
MAY	103 000	NOV	66 600
JUN	65 200	DEC	85 200

TOTAL DISCHARGE, 592 000 dam³

SERPENT RIVER AT OUTLET OF DUNLOP LAKE - STATION NO. 02CD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.006B	0.079B	0.960B	2.62	3.94	2.28	3.21	1.00 E	0.059E	0.105E	0.474	3.43	1
2	0.006B	0.039B	1.42 B	2.55	4.13	2.16	3.05	0.940E	0.056E	0.200E	0.482	3.32	2
3	0.006B	0.099B	1.37 B	2.46	4.33	2.21	2.71	0.880E	0.051E	0.295E	0.507	3.11	3
4	0.006B	0.108B	1.28 B	2.36	4.01	1.90	2.32	0.800E	0.048E	0.280E	0.512	3.16	4
5	0.006B	0.117B	1.17 B	2.29	3.77	1.14	2.11	0.760E	0.051E	0.320E	0.485	3.01	5
6	0.006B	0.125B	1.10 B	2.23	3.51	1.18	1.96	0.710E	0.053E	0.400E	0.629	2.88	6
7	0.006B	0.132B	1.04 B	2.18	3.32	0.780	1.78	0.670E	0.055E	0.520E	0.619	2.68	7
8	0.006B	0.142B	0.989B	2.10	3.31	0.196	1.83	0.640E	0.057E	0.620E	0.599	2.56	8
9	0.006B	0.150B	1.15 B	2.09	3.26	0.353	1.96	0.600E	0.054E	0.700E	0.631	2.45	9
10	0.006B	0.157B	1.86 B	2.18	3.78	0.528	1.79	0.570E	0.050E	0.760E	0.695	2.35B	10
11	0.006B	0.166B	1.83 B	1.50	4.12	0.648	1.68	0.580E	0.046E	0.250E	0.697	2.17	11
12	0.006B	0.174B	1.80 B	0.646	4.14	0.786	1.57	0.600E	0.056E	0.115E	0.693	2.13	12
13	0.007B	0.181B	1.77 B	0.712	4.11	0.625	1.49	0.560E	0.070E	0.127E	0.644	2.11	13
14	0.007B	0.188B	1.80 B	0.778	3.97	0.180E	1.42	0.350E	0.086E	0.135E	0.607	1.97	14
15	0.007B	0.194B	1.92 B	0.903	3.89	0.167E	1.36	0.200E	0.108E	0.147E	0.594	1.87	15
16	0.007B	0.200B	2.40 B	1.01	4.04	0.162E	1.38	0.180E	0.130E	0.163E	0.619	1.80	16
17	0.009B	0.208B	3.21 B	1.14	4.87	0.170E	1.45	0.160E	0.170E	0.177E	0.612	1.74	17
18	0.012B	0.218B	3.45 B	1.20	6.07	0.210E	1.50	0.140E	0.130E	0.241	0.612	1.81	18
19	0.011B	0.223B	3.56	1.24	6.50	0.662	1.42	0.120E	0.098E	0.312	0.625	1.77	19
20	0.011B	0.230B	3.45	1.30	6.31	0.690	1.38	0.110E	0.080E	0.314	0.644	1.68	20
21	0.012B	0.400B	3.82	1.44	6.13	0.755	1.32	0.103E	0.090E	0.358	0.753	1.62	21
22	0.012B	0.725B	4.40	1.62	5.87	0.790	1.28	0.096E	0.101E	0.409	1.24	1.66	22
23	0.014B	0.720B	4.21	1.84	5.59	1.10	1.26	0.060E	0.105E	0.412	2.50	1.66	23
24	0.016B	0.710B	3.98	2.21	5.37	1.37	1.25	0.042E	0.104E	0.421	3.63	1.60	24
25	0.019B	0.705B	3.78	2.70	5.12	1.89	1.20	0.044E	0.103E	0.426	3.58	1.57	25
26	0.022B	0.700B	3.56	2.70	4.85	3.19	1.16	0.046E	0.102E	0.438	3.23	1.57	26
27	0.026B	0.720B	3.37	1.65	4.61	3.73	1.11	0.049E	0.099E	0.473	3.32	1.52	27
28	0.032B	0.770B	3.20	2.35	4.34	3.47	1.07	0.050E	0.098E	0.516	3.65	1.49	28
29	0.041B		3.01	2.66	4.05	3.38	1.05	0.052E	0.096E	0.470	3.65	1.54	29
30	0.052B		2.86	3.29	3.81	3.30	1.11	0.055E	0.094E	0.471	3.55	1.52	30
31	0.064B		2.76		3.05		1.06	0.057E		0.472		1.47	31
TOTAL	0.453	8.630	76.499	56.149	138.17	40.002	50.24	11.224	2.500	11.047	41.083	65.22	TOTAL
MEAN	0.015	0.308	2.47	1.87	4.46	1.33	1.62	0.362	0.083	0.356	1.37	2.10	MEAN
MAX	0.064	0.770	4.40	3.29	6.50	3.73	3.21	1.00	0.170	0.760	3.65	3.43	MAX
MIN	0.006	0.079	0.960	0.646	3.05	0.162	1.05	0.042	0.046	0.105	0.474	1.47	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.37
MAXIMUM DAILY, 6.50 ON MAY 19
MINIMUM DAILY, 0.006B ON JAN 01
MAXIMUM INSTANTANEOUS,
6.69 AT 16:33 EST ON MAY 18

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 29 05 N
LONG 082 38 33 W
DRAINAGE AREA, 109 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	39.1	JUL	4 340
FEB	746	AUG	970
MAR	6 610	SEP	216
APR	4 850	OCT	954
MAY	11 900	NOV	3 550
JUN	3 460	DEC	5 640

TOTAL DISCHARGE, 43 300 dam³

SERPENT RIVER BELOW PECORS LAKE - STATION NO. 02CD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.28E	3.03	3.03	13.7	15.5	19.9	10.8	5.89	2.43	0.969	3.20	13.1	1
2	2.31E	3.14	3.04	14.1	15.1	19.4	10.4	5.61	2.28	0.992	3.21	13.1	2
3	2.40E	3.13	3.05	14.1	14.8	19.2	10.1	5.44	2.17	1.08	3.25	13.4	3
4	2.45E	3.16	3.01	14.0	14.7	18.6	9.99	5.34	2.19	1.53	3.39	13.8	4
5	2.47E	3.14	3.01	14.0	14.6	17.9	9.77	5.18	2.14	1.49	3.49	13.9	5
6	2.45E	3.10	3.02	13.9	14.4	17.3	9.59	5.00	2.08	1.44	4.11	13.7	6
7	2.43E	3.05	2.97	13.9	14.4	16.6	9.21	4.72	1.96	1.44	4.16	13.7	7
8	2.43A	3.04	3.03	13.7	14.6	16.1	9.40	4.50	1.85	1.41	4.10	13.8	8
9	2.42	3.07	3.05	13.7	14.7	16.1	9.79	4.38	1.72	1.31	4.18	13.9	9
10	2.40	3.03	3.07	14.0	15.2	15.3	9.52	4.24	1.65	1.36	4.44	13.9	10
11	2.49	3.07	3.07	13.9	15.4	14.6	9.18	4.07	1.56	1.56	4.59	13.8	11
12	2.49	3.03	3.27	13.8	15.3	14.0	8.94	4.09	1.61	1.57	4.57	13.9	12
13	2.44	3.09	3.43	13.6	15.1	13.9	8.61	4.21	1.62	1.58	4.54	13.8	13
14	2.45	3.02	3.74	13.5	15.1	13.3	8.46	4.00	1.65	1.64	4.49	13.7	14
15	2.47	2.97	4.60	13.6	15.2	12.7	8.28	3.91	1.60	1.90	4.51	13.5	15
16	2.41	2.97	6.40	13.7	16.3	12.0	8.29	3.65	1.48	2.26	4.64	13.3	16
17	2.52	3.06	8.26	13.5	19.8	11.8	8.04	3.59	1.34	2.35	4.91	13.1	17
18	2.60	3.08	9.29	13.5	22.6	11.6	8.11	3.54	1.24	2.93	5.05	13.3	18
19	2.64	3.00	9.85	13.3	23.1	11.1	7.95	3.42	1.27	3.48	5.17	13.2	19
20	2.61	3.00	10.2	13.3	23.2	10.5	7.77	3.27	1.22	3.61	5.19	12.9	20
21	2.64	3.00	10.5	13.4	23.0	10.4	7.66	3.20	1.27	3.74	5.73	12.5	21
22	2.63	3.02	11.2	13.7	22.7	10.2	7.49	3.05	1.47	3.91	7.89	12.5	22
23	2.62	3.04	11.7	14.3	22.7	11.7	7.30	2.96	1.36	3.71	9.01	12.2	23
24	2.73	3.06	11.9	14.9	22.4	11.8	7.07	2.89	1.15	3.42	9.77	11.9	24
25	2.91	3.06	12.1	15.5	22.4	11.3	6.82	2.77	1.09	3.24	10.3	11.8	25
26	3.16	3.08	12.5	15.9	22.2	11.0	6.69	2.70	1.06	3.12	10.2	11.6	26
27	3.14	3.04	12.8	16.2	22.1	10.9	6.52	2.78	0.984	3.03	10.5	11.3	27
28	3.08	3.04	12.8	16.3	22.0	10.7	6.31	2.92	0.900	3.22	11.7	11.0	28
29	3.04		13.0	16.1	21.7	10.5	6.30	2.83	0.882	3.13	12.6	11.0	29
30	3.04		13.4	15.7	21.3	10.6	6.50	2.68	0.879	3.14	12.9	10.8	30
31	3.00		13.5		20.6		6.14	2.53		3.18		10.6	31
TOTAL	81.15	85.52	227.59	426.8	572.2	411.0	257.00	119.36	46.105	72.741	185.79	398.0	TOTAL
MEAN	2.62	3.05	7.34	14.2	18.5	13.7	8.29	3.85	1.54	2.35	6.19	12.8	MEAN
MAX	3.16	3.16	13.5	16.3	23.2	19.9	10.8	5.89	2.43	3.91	12.9	13.9	MAX
MIN	2.28	2.97	2.97	13.3	14.4	10.2	6.14	2.53	0.879	0.969	3.20	10.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.90
MAXIMUM DAILY, 23.2 ON MAY 20
MINIMUM DAILY, 0.879 ON SEP 30
MAXIMUM INSTANTANEOUS,
23.3 AT 06:51 EST ON MAY 20

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 22 28 N
LONG 082 26 18 W
DRAINAGE AREA, 567 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	7 010	JUL	22 200
FEB	7 390	AUG	10 300
MAR	19 700	SEP	3 980
APR	36 900	OCT	6 280
MAY	49 400	NOV	16 100
JUN	35 500	DEC	34 400

TOTAL DISCHARGE, 249 000 dam³

SERPENT RIVER BELOW QUIRKE LAKE - STATION NO. 02CD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.545E	0.878	1.38E	8.21	9.33	11.2	5.41	2.77	0.886	0.367	2.11	8.63	1
2	0.555E	0.909	1.40E	7.96	9.39	10.6	5.46	2.68	0.836	0.385	2.17	9.04	2
3	0.560E	0.924	1.42E	7.89	9.38	10.2	5.43	2.55	0.760	0.394	2.17	9.17	3
4	0.560E	0.944	1.45E	7.83	9.33	9.41	5.44	2.46	0.736	0.597	2.20	9.55	4
5	0.565E	0.953	1.47E	7.56	9.17	8.80	5.30	2.39	0.734	0.573	2.20	9.46	5
6	0.575E	0.948	1.50E	7.27	9.07	8.29	5.13	2.26	0.694	0.566	2.43	9.39	6
7	0.570E	0.957	1.51E	7.21	8.86	7.80	4.98	2.17	0.659	0.567	2.40	9.17	7
8	0.565E	0.953	1.53E	7.21	8.88	7.27	5.02	2.09	0.641	0.557	2.37	9.04	8
9	0.560E	0.950	1.55E	7.14	8.82	7.10	5.19	1.99	0.621	0.543	2.43	8.82	9
10	0.550E	0.955	1.58E	7.18	9.27	6.63	5.02	1.89	0.597	0.534	2.57	8.56	10
11	0.545E	0.984	1.61E	7.00	9.70	6.13	4.79	1.81	0.554	0.610	2.56	8.24	11
12	0.543A	1.02	1.65E	6.88	9.96	5.81	4.56	1.80	0.603	0.605	2.53	8.04	12
13	0.534	1.02	1.73E	6.77	10.1	5.66	4.44	1.89	0.574	0.612	2.48	7.84	13
14	0.521	1.05	1.88E	6.51	10.0	5.43	4.34	1.85	0.592	0.661	2.51	7.48	14
15	0.518	1.07	2.22E	6.36	10.1	5.17	4.24	1.80	0.565	0.756	2.63	7.27	15
16	0.501	1.10	2.84E	6.09	10.4	4.85	4.21	1.72	0.511	0.761	2.77	7.00	16
17	0.508	1.12 E	3.65E	6.07	11.8	4.70	4.24	1.68	0.459	0.821	2.89	6.79	17
18	0.539	1.13 E	4.50E	6.10	13.0	4.70	4.31	1.59	0.423	1.04	2.96	6.74	18
19	0.560	1.15 E	5.40E	6.04	14.0	4.49	4.08	1.49	0.428	1.18	3.06	6.54	19
20	0.578	1.18 E	6.20E	5.95	14.7	4.31	3.92	1.42	0.418	1.24	3.13	6.28	20
21	0.577	1.19 E	7.20E	5.99	15.3	4.18	3.75	1.38	0.399	1.38	3.28	6.12	21
22	0.574	1.20 E	7.80E	6.03	15.5	4.06	3.62	1.34	0.426	1.50	3.87	6.01	22
23	0.579	1.22 E	8.30A	6.20	15.5	4.40	3.55	1.26	0.386	1.65	4.20	5.99	23
24	0.646	1.26 E	8.53	6.53	15.5	4.58	3.52	1.18	0.370	1.76	4.71	5.75	24
25	0.684	1.28 E	8.74	6.98	15.0	4.51	3.37	1.11	0.357	1.80	5.33	5.65	25
26	0.758	1.30 E	8.78	7.52	14.8	4.67	3.26	1.11	0.352	1.85	5.72	5.48	26
27	0.756	1.31 E	8.83	8.18	14.4	4.79	3.13	1.08	0.375	1.93	6.28	5.29	27
28	0.820	1.33 E	8.80	8.68	13.8	4.88	3.02	1.04	0.406	2.04	7.15	5.22	28
29	0.844		8.65	9.02	13.2	5.07	2.96	0.991	0.387	2.04	7.60	5.19	29
30	0.858		8.41	9.30	12.7	5.25	2.99	0.942	0.371	2.09	8.12	5.12	30
31	0.866		8.30		12.1		2.85	0.897		2.10		4.94	31
TOTAL	18.914	30.285	138.81	213.66	362.76	184.94	131.53	52.630	16.120	33.509	106.83	223.77	TOTAL
MEAN	0.610	1.08	4.48	7.12	11.7	6.16	4.24	1.70	0.537	1.08	3.56	7.22	MEAN
MAX	0.866	1.33	8.83	9.30	15.5	11.2	5.46	2.77	0.886	2.10	8.12	9.55	MAX
MIN	0.501	0.878	1.38	5.95	8.82	4.06	2.85	0.897	0.352	0.367	2.11	4.94	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.15
MAXIMUM DAILY, 15.5 ON MAY 22
MINIMUM DAILY, 0.352 ON SEP 26
MAXIMUM INSTANTANEOUS, 15.6 AT 20:39 EST ON MAY 22

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 29 11 N
LONG 082 28 52 W
DRAINAGE AREA, 319 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 630	JUL	11 400
FEB	2 620	AUG	4 550
MAR	12 000	SEP	1 390
APR	18 500	OCT	2 900
MAY	31 300	NOV	9 230
JUN	16 000	DEC	19 300

TOTAL DISCHARGE, 131 000 dam³

SEVERN RIVER AT BIG FALLS - STATION NO. 02EC006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.8E	17.5	18.6	12.5E	21.9	17.5	3.03E	25.2	13.9 E	9.97	9.90	12.8 E	1
2	15.8	17.5	18.6	12.8	15.8	17.5 E	3.04E	25.2	13.9 E	9.85	9.97	12.8 E	2
3	17.7	17.5E	18.3 E	12.8	15.8	17.5 E	3.04	25.2	13.9 E	9.26	9.97E	16.4	3
4	18.4	17.5E	18.2	12.8	9.27E	17.5	3.13	24.6E	12.7	10.7	9.97E	18.9	4
5	19.3	17.5	18.2	12.8	4.60E	17.5	2.90	24.3E	11.4	10.2	9.97	12.8	5
6	18.7E	17.5	18.2	17.8	4.60E	17.5	2.80	23.9E	11.4	10.2 E	9.97	17.5	6
7	18.1E	17.5	18.2	21.3E	4.60	17.5	2.87E	23.4	11.4	10.2 E	9.97	18.6	7
8	17.5	17.5	18.2	21.3E	4.60	17.5	2.95E	23.4	11.3 E	10.2 E	9.97	18.2 E	8
9	17.5	17.5	17.9	28.1	4.45	16.9 E	3.02	23.4	11.3 E	10.2	9.97	17.9 E	9
10	17.5	17.5E	17.9 E	33.9	5.22	16.4 E	7.07	23.4	11.2	10.2	9.74E	17.5	10
11	17.5	17.5E	17.9 E	33.4	5.22	10.1	9.97	23.0E	11.2	10.2	9.50E	18.6	11
12	17.5	17.5	17.9	32.9	5.22E	4.45	7.95	22.5E	11.2	10.2	9.27E	18.0	12
13	17.5E	18.0	19.3	32.3E	6.70E	3.12	11.6 E	22.1	11.2	10.3 E	11.4	18.6	13
14	17.5E	17.5	20.9	31.7E	7.75	3.96	12.8 E	22.1	11.2	10.3 E	13.8	18.4 E	14
15	17.5	17.5	23.4	31.1E	10.5	5.22	12.8 E	21.3	10.9 E	10.4	13.4	18.2 E	15
16	17.5	17.5	23.4	30.5E	12.5	5.22E	12.8	21.3	10.5 E	9.97	13.4	18.2 E	16
17	17.5	17.5E	24.3	29.9	12.8	5.22E	15.6	20.9	10.2	10.2	13.6 E	18.2	17
18	17.5	17.5E	24.5 E	28.8	13.4	5.22	17.2	21.0E	10.2	10.4	13.7 E	18.2	18
19	17.5	17.5E	24.7	30.4	13.6 E	7.70	17.2	21.2E	10.2	9.97	13.9	18.2	19
20	13.5E	17.5	24.7	30.4	13.8 E	8.11	18.6	21.3	10.2	9.97E	13.9	16.8	20
21	10.2E	17.5	14.8 E	29.6E	14.0 E	4.45	18.5 E	21.3	10.2	9.97E	14.2	16.8	21
22	10.2	17.5	0.300E	28.7E	21.6	6.06	18.5 E	21.3	10.2 E	9.97	15.5	17.2 E	22
23	14.5	17.5	0.300E	27.9	26.9	4.16E	17.9	21.3	10.2 E	9.73	12.8	17.5 E	23
24	17.5	17.5E	1.68 E	27.9	32.2	3.02E	17.9	21.3	10.2	9.97	12.7 E	17.9	24
25	17.5	17.5E	3.07 E	27.9	35.5	3.02	27.9	20.6E	10.2	9.73	12.6 E	17.2 E	25
26	17.5	17.5	7.06	27.0	33.9 E	3.13	27.9	20.0E	10.2	9.73	14.1	16.5 E	26
27	17.5E	21.3	11.4	27.0	32.3 E	3.02	27.9	19.3	9.97	9.65E	15.2	15.8	27
28	17.5E	18.6	12.0	27.3E	30.7	3.02	27.3 E	19.7	9.97	9.58E	18.9	15.8	28
29	17.5		12.0	27.9E	30.4	3.02	26.7 E	19.3	9.97E	9.50	18.6	16.5	29
30	17.5		12.0	27.9	29.2	3.03E	26.1	19.7	9.97E	9.97	15.2 E	7.16	30
31	17.5		12.3 E		24.0		25.2	16.3E		9.03		4.49E	31
TOTAL	522.2	495.4	490.510	776.3	505.03	267.55	447.87	679.0	330.48	309.72	374.07	507.65	TOTAL
MEAN	16.8	17.7	15.8	25.9	16.3	8.92	14.4	21.9	11.0	9.99	12.5	16.4	MEAN
MAX	19.3	21.3	24.7	33.9	35.5	17.5	27.9	25.2	13.9	10.7	18.9	18.9	MAX
MIN	10.2	17.5	0.300	12.5	4.45	3.02	2.80	16.3	9.97	9.03	9.27	4.49	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.6
MAXIMUM DAILY, 35.5 ON MAY 25
MINIMUM DAILY, 0.300E ON MAR 22

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 44 44 28 N
LONG 079 19 41 W

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	45 100	JUL	38 700
FEB	42 800	AUG	58 700
MAR	42 400	SEP	28 600
APR	67 100	OCT	26 800
MAY	43 600	NOV	32 300
JUN	23 100	DEC	43 900

TOTAL DISCHARGE, 493 000 dam³

SEVERN RIVER AT LIMESTONE RAPIDS - STATION NO. 04CC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	228B	156B	155B	155B	171B	1 700	898	600	404	375	390B	367B	1
2	224B	156B	155B	155B	174B	1 680	904	587	404	376	390B	366B	2
3	221B	156B	155B	155B	179B	1 670	900	582	405	386	390B	364B	3
4	217B	156B	155B	155B	186B	1 610	881	579	403	401	390B	362B	4
5	214B	156B	155B	155B	200B	1 550	857	578	403	415	390B	360B	5
6	211B	156B	155B	155B	216B	1 500	838	564	405	437	390B	358B	6
7	208B	156B	155B	155B	233B	1 460	818	549	405	451	390B	356B	7
8	204B	155B	155B	155B	255B	1 410	808	538	396	458	390B	354B	8
9	201B	155B	155B	155B	282B	1 360	798	524	383	462	390B	352B	9
10	198B	155B	155B	155B	310B	1 310	789	510	379	465	389B	350B	10
11	194B	155B	155B	155B	350B	1 260	769	494	379E	466	389B	347B	11
12	191B	155B	155B	155B	400B	1 220	749	477	379E	466	389B	345B	12
13	189B	155B	155B	155B	455B	1 220	732	467	379E	466	388B	342B	13
14	186B	155B	155B	155B	540B	1 200	716	462	379E	467	388B	339B	14
15	183B	155B	155B	155B	640B	1 170	699	458	379E	463	387B	337B	15
16	181B	155B	155B	155B	760B	1 150	678	453	380E	458	387B	335B	16
17	178B	155B	155B	155B	920B	1 130	659	447	380E	456	386B	332B	17
18	175B	155B	155B	155B	1 150B	1 100	671	441	380E	450	385B	330B	18
19	173B	155B	155B	155B	1 330B	1 060	693	434	380E	442	384B	328B	19
20	171B	155B	155B	155B	1 550B	1 050	697	424	381E	436	383B	326B	20
21	168B	155B	155B	155B	1 750E	1 060	696	415	381E	433	382B	323B	21
22	165B	155B	155B	155B	2 000E	1 060	693	409	381E	429	381B	320B	22
23	163B	155B	155B	155B	2 170E	1 040	687	401	381E	426	380B	317B	23
24	161B	155B	155B	155B	2 210E	1 030	682	395	382E	428	378B	315B	24
25	160B	155B	155B	156B	2 220E	1 010	681	382	382E	419	377B	312B	25
26	159B	155B	155B	159B	2 210E	983	680	382	382E	413	375B	309B	26
27	158B	155B	155B	160B	2 150E	956	669	378	382A	431	373B	306B	27
28	156B	155B	155B	163B	2 020E	933	649	379	382	427	372B	303B	28
29	156B		155B	166B	900A	911	638	382	382	415	371B	300B	29
30	156B		155B	168B	1 820	896	631	389	379	388	369B	298B	30
31	156B		155B		1 740		621	397		388		296B	31
TOTAL	5 705	4 347	4 805	4 692	32 491	36 689	22 881	14 477	11 597	13 393	11 523	10 349	TOTAL
MEAN	184	155	155	156	1 050	1 220	738	467	387	432	384	334	MEAN
MAX	228	156	155	168	2 220	1 700	904	600	405	467	390	367	MAX
MIN	156	155	155	155	171	896	621	378	379	375	369	296	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 474
MAXIMUM DAILY, 2 220E ON MAY 25
MINIMUM DAILY, 155B ON FEB 08

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 22 30 N
LONG 088 19 30 W
DRAINAGE AREA, 94 300 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	493 000	JUL	1 980 000
FEB	376 000	AUG	1 250 000
MAR	415 000	SEP	1 000 000
APR	405 000	OCT	1 160 000
MAY	2 810 000	NOV	996 000
JUN	3 170 000	DEC	894 000

TOTAL DISCHARGE, 14 900 000 dam³

SEVERN RIVER AT LITTLE FALLS - STATION NO. 02EC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.220E	7.27	1.85	1.59E	6.19	1.50	1.24 E	1.19	2.01E	1.22	1.25	1.40E	1
2	0.220	7.27	5.76	1.59	1.40	1.56 E	1.24 E	2.04	1.98E	1.22	1.22	1.40E	2
3	4.33	7.27 E	5.76 E	1.28	1.40	1.62 E	1.25	2.04	1.95E	1.22	1.22E	5.94	3
4	7.13	7.27 E	7.63 E	2.95	1.40	1.68	1.22	1.95E	1.92	1.59	1.22E	8.67	4
5	7.54	7.27	7.54	2.95	1.40E	1.68	0.992	1.86E	1.92	1.40	1.22	7.42	5
6	7.45 E	7.27	7.54	2.95	1.40E	1.68	0.840	1.77E	2.28	1.40E	1.22	8.42	6
7	7.36 E	7.27	7.54	2.53E	1.40	1.68	0.940E	4.09	2.16	1.40E	1.40	7.91	7
8	7.27	7.27	7.54	2.10E	1.59	1.68	1.04 E	5.54	2.08E	1.40E	1.40	7.82E	8
9	7.27	7.27	7.27	2.84	1.50	1.62 E	1.14	5.54	2.00E	1.40	1.40	7.74E	9
10	7.27	7.27 E	7.27 E	3.90	1.50	1.56 E	1.14	5.54	1.92	1.40	1.32E	7.65	10
11	7.27	7.27 E	7.27 E	4.25	1.59	1.50	0.840	5.48E	1.92	1.68	1.24E	7.65	11
12	7.27	7.27	7.27	9.30E	1.56E	1.68	0.840	5.41E	1.92	1.59	1.15E	8.09	12
13	7.27 E	7.27	7.86	12.9 E	1.53E	1.92	0.678	5.35	1.92	1.62E	1.07	7.91	13
14	7.27 E	7.27	8.90	12.9 E	1.50	1.92	0.757E	5.35	2.04	1.65E	1.14	7.65	14
15	7.27	7.27	10.2	12.9 E	1.50	1.68	0.837E	7.35	1.96E	1.68	1.14	7.82E	15
16	7.27	7.27	5.40 E	12.9 E	1.50	1.76 E	0.916	8.67	1.88E	1.68	1.31	7.99E	16
17	7.27	7.27 E	0.150E	12.9	1.59	1.84 E	0.916	8.67	1.80	1.68	1.28E	8.16	17
18	2.91	7.27 E	0.150E	12.9	1.59	1.92	0.916	8.33E	1.80	1.68	1.25E	8.16	18
19	0.292	7.27	0.150E	12.9	1.61E	9.16	0.916	7.99E	1.59	1.50	1.22	8.16	19
20	0.240E	7.27	0.150E	12.9	1.64E	11.1	0.916	7.65	1.59	1.50E	1.31	7.65	20
21	0.187E	7.27	0.150E	12.8 E	1.66E	9.99	0.819E	7.65	1.40	1.50E	1.22	7.65	21
22	0.135	7.27	0.150E	12.6 E	1.68	2.28	0.721E	7.65	1.40E	1.50	6.07	7.74E	22
23	0.135	3.62	0.150E	12.5	1.68	1.66 E	0.624	7.65	1.40E	1.31	8.67	7.82E	23
24	0.292	1.02 E	0.660E	12.5	1.68	1.22 E	0.624	7.65	1.40	1.50	8.59E	7.91	24
25	0.373	1.02 E	1.17 E	12.5	8.46	1.22	0.570	7.69E	1.40	1.40	8.50E	7.67E	25
26	0.373	1.02	1.68	12.5	12.9 E	1.22	0.570	7.74E	1.40	1.40	8.42	7.44E	26
27	0.421E	0.469	1.68	12.5	12.5 E	0.786	0.570	7.78	1.31	1.46E	8.67	7.20	27
28	0.470E	0.469	1.40	12.6 E	9.71	0.786	0.545E	6.09	1.31	1.53E	8.93	7.20	28
29	0.518		0.859E	12.8 E	1.59	1.22	0.522E	5.16	1.28E	1.59	8.67	4.96	29
30	0.518		1.59	12.9	1.50	1.23 E	0.498	3.21	1.25E	1.40	4.03E	1.98E	30
31	4.74		1.59 E		1.50		0.498	2.04		1.40		1.92	31
TOTAL	118.554	167.558	126.179	268.63	85.65	72.352	26.136	172.12	52.19	45.90	96.73	213.10	TOTAL
MEAN	3.82	5.98	4.07	8.95	2.76	2.41	0.843	5.55	1.74	1.48	3.22	6.87	MEAN
MAX	7.54	7.27	10.2	12.9	12.9	11.1	1.25	8.67	2.28	1.68	8.93	8.67	MAX
MIN	0.135	0.469	0.150	1.59	1.40	0.786	0.498	1.19	1.25	1.22	1.07	1.40	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.96
MAXIMUM DAILY, 12.9E ON APR 13
MINIMUM DAILY, 0.135 ON JAN 22

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 44 44 45 N
LONG 079 19 31 W

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	10 200	JUL	2 260
FEB	14 500	AUG	14 900
MAR	10 900	SEP	4 510
APR	23 200	OCT	3 970
MAY	7 400	NOV	8 360
JUN	6 250	DEC	18 400

TOTAL DISCHARGE, 125 000 dam³

SEVERN RIVER AT OUTLET OF MUSKRAT DAM LAKE - STATION NO. 04CA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	157B	111 B	92.0B	88.2B	307	755	546	332E	198E	150	113	95.5B	1
2	155B	110 B	91.7B	88.3B	327	709	533	327E	194E	146	118	94.8B	2
3	153B	109 B	91.1B	88.8B	343	694	507	321E	191E	146	128	93.8B	3
4	151B	108 B	90.8B	89.3B	354	707	488	317E	188E	159	126	93.3B	4
5	150B	107 B	90.5B	90.5B	367	702	483	311E	186E	164	120	92.5B	5
6	149B	106 B	90.2B	91.0B	386	696	480	304E	183E	160	119	91.5B	6
7	147B	105 B	90.0B	92.5B	417	681	468	300E	181E	157	120	90.8B	7
8	144B	104 B	89.9B	95.0B	437	670	461	297E	178E	152	119	90.0B	8
9	143B	103 B	89.7B	98.0B	464	673	453	292E	176E	149	118	89.5B	9
10	141B	103 B	89.5B	100 B	498	663	447	286E	174E	154	118 B	88.8B	10
11	139B	102 B	89.4B	103 B	519	666	445E	281E	172E	160	117 B	88.0B	11
12	138B	102 B	89.7B	105 B	548	665	441E	278E	170E	155	116 B	87.2B	12
13	137B	101 B	92.0B	107 B	575	657	439E	273E	168E	144	114 B	86.7B	13
14	133B	100 B	94.0B	109 B	604	644	435E	268E	166E	145	113 B	86.0B	14
15	132B	99.5B	98.5B	111 B	638	664	429E	263E	164E	144	112 B	85.4B	15
16	131B	96.8B	99.5B	113 B	655	667	423E	259E	162E	146	110 B	84.8B	16
17	129B	98.0B	100 B	115 B	664	640	415E	254E	160E	137	109 B	84.0B	17
18	128B	97.3B	99.5B	118 B	693	630	410E	251E	158E	133	108 B	83.5B	18
19	127B	96.9B	99.0B	121 B	715	630	404E	247E	157E	131	107 B	82.9B	19
20	126B	96.4B	98.0B	126 B	731	624	400E	242E	156E	128	106 B	82.0B	20
21	124B	95.9B	96.0B	133 B	744	614	396E	237E	155E	134	105 B	81.7B	21
22	123B	95.0B	95.0B	140 B	756	606	390E	233E	154E	129	104 B	80.8B	22
23	122B	94.8B	93.0B	148 B	765	603	385E	229E	152E	124	103 B	80.2B	23
24	120B	94.0B	91.5B	157 B	771	608	379E	224E	151E	124	102 B	79.5B	24
25	118B	93.6B	90.5B	165 B	774	581	370E	222E	150E	127	101 B	79.2B	25
26	117B	92.9B	89.0B	187 B	776	576	365E	217E	149E	127	100 B	78.8B	26
27	116B	92.6B	88.0B	207 B	766	572	358E	214E	149E	127	99.0B	78.0B	27
28	115B	92.3B	87.5B	237 B	763	551	353E	211E	148E	125	98.0B	77.5B	28
29	114B		87.8B	268	764	543	348E	207E	149	132	97.0B	77.0B	29
30	113B		88.0B	284	764	542	342E	203E	150	147	96.0B	76.8B	30
31	112B		88.1B		766		338E	201E		120		76.0B	31
TOTAL	4 104	2 809.0	2 859.4	3 975.6	18 651	19 233	13 131	8 101	4 989	4 356	3 316.0	2 636.5	TOTAL
MEAN	132	100	92.2	133	602	641	424	261	166	141	111	85.0	MEAN
MAX	157	111	100	284	776	755	546	332	198	164	128	95.5	MAX
MIN	112	92.3	87.5	88.2	307	542	338	201	148	120	96.0	76.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 242
MAXIMUM DAILY, 776 ON MAY 26
MINIMUM DAILY, 76.0B ON DEC 31
MAXIMUM INSTANTANEOUS,
783 AT 15:42 EST ON MAY 26

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 29 27 N
LONG 091 30 55 W
DRAINAGE AREA, 36 500 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	355 000	JUL	1 130 000
FEB	243 000	AUG	700 000
MAR	247 000	SEP	431 000
APR	343 000	OCT	376 000
MAY	1 610 000	NOV	287 000
JUN	1 660 000	DEC	228 000

TOTAL DISCHARGE, 7 610 000 dam³

SEVERN RIVER AT SWIFT RAPIDS - STATION NO. 02EC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	59.3	80.8	77.1	99.6	104	58.6	17.8	37.8	22.4	15.0	18.4	144	1
2	61.7	80.9	76.9	99.4	94.9	55.6	12.7	35.4	15.1	16.7	24.4	144	2
3	61.4	79.9	77.1	106	83.6	57.2	18.3	30.2	12.0	16.4	23.2	141	3
4	59.2	80.2	77.2	124	70.9	58.9	18.3	32.6	17.0	19.5	20.7	112	4
5	56.6	68.6	77.2	129	66.7	54.1	22.7	38.5	22.4	18.1	24.9	112	5
6	55.5	65.3	76.9	132	64.8	47.9	19.1	37.1	22.9	14.2	29.7	101	6
7	55.7	65.7	76.9	135	58.4	46.2	17.8	32.6	14.0	18.5	38.6	101	7
8	55.8	66.1	70.2	134	50.1	44.0	13.8	34.0	13.2	15.1	42.8	101	8
9	55.2	69.9	65.4	133	49.2	36.2	18.8	36.5	16.6	20.8	41.9	96.1	9
10	54.9	72.1	68.3	133	52.9	39.6	21.4	36.5	13.0	21.2	41.2	91.1	10
11	55.9	72.2	70.0	133	59.2	37.8	26.2	36.5	14.7	15.3	36.5	83.5	11
12	56.4	75.4	79.4	137	59.5	37.1	23.5	36.8	15.1	23.8	33.6	76.6	12
13	55.7	77.0	103	140	57.9	37.2	25.8	36.8	18.3	22.9	37.9	78.4	13
14	56.0	76.7	130	141	57.2	28.6	24.5	32.0	24.4	24.1	37.7	71.1	14
15	55.2	78.0	185	141	59.5	29.3	24.6	37.5	16.4	23.9	35.3	67.1	15
16	53.9	74.8	214	140	64.6	27.5	23.8	35.4	9.77	22.7	38.7	73.1	16
17	57.2	71.8	173	141	64.8	32.6	31.9	37.0	12.9	17.2	43.3	79.4	17
18	61.9	69.9	176	135	78.3	39.1	33.6	29.9	10.2	14.0	47.6	79.4	18
19	63.4	71.0	179	134	84.4	29.7	31.1	32.6	14.3	21.5	45.9	80.1	19
20	64.6	70.8	181	134	84.7	35.3	34.0	39.2	9.91	25.1	45.6	74.1	20
21	64.4	71.3	160	134	84.2	28.0	32.4	37.0	21.9	30.0	45.6	70.5	21
22	64.0	71.3	158	134	93.2	28.0	31.4	34.5	18.3	26.3	55.6	85.7	22
23	64.0	72.2	145	128	106	33.4	29.3	31.7	14.3	25.2	85.7	85.7	23
24	66.1	72.6	140	126	109	55.9	27.9	32.0	20.1	32.3	90.4	85.6	24
25	65.6	72.8	139	127	96.4	29.7	57.0	28.9	6.94	32.8	93.9	88.5	25
26	68.0	75.4	126	128	92.7	22.7	33.0	30.2	12.6	21.0	94.3	90.2	26
27	68.0	77.0	117	129	77.9	20.2	34.4	33.6	16.3	21.5	104	89.7	27
28	67.3	77.3	119	129	78.7	25.3	34.0	31.0	14.7	21.8	126	85.7	28
29	69.0		127	129	84.8	29.7	33.6	27.5	13.2	29.2	141	83.5	29
30	70.9		110	128	84.0	21.8	33.7	24.5	15.0	25.7	144	99.4	30
31	76.2		97.4		72.5		39.8	24.4		13.6		114	31
TOTAL	1 899.0	2 057.0	3 680.0	3 891.0	2 344.6	1 087.2	824.5	1 040.2	471.92	665.4	1 688.4	2 884.5	TOTAL
MEAN	61.3	73.5	119	130	75.6	36.2	26.6	33.6	15.7	21.5	56.3	93.0	MEAN
MAX	76.2	80.9	214	141	109	58.9	39.8	39.2	24.4	32.8	144	144	MAX
MIN	53.9	65.3	65.4	99.4	49.2	20.2	12.7	24.4	6.94	13.6	18.4	67.1	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 61.7
MAXIMUM DAILY, 214 ON MAR 16
MINIMUM DAILY, 6.94 ON SEP 25

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 44 51 25 N
LONG 079 32 30 W
DRAINAGE AREA, 5 850 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	164 000	JUL	71 200
FEB	178 000	AUG	89 900
MAR	318 000	SEP	40 800
APR	336 000	OCT	57 500
MAY	203 000	NOV	146 000
JUN	93 900	DEC	249 000

TOTAL DISCHARGE, 1 950 000 dam³

SEVERN RIVER AT WASHAGO - STATION NO. 02EC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.22E	4.64	5.10	10.1E	10.2	10.2	10.4 E	7.76	4.99E	4.01	4.71	5.02E	1
2	4.22	4.43	5.34	10.2	10.3	10.3 E	10.4 E	7.76	4.87E	4.07	4.64	4.94E	2
3	4.22	4.43E	5.18E	10.3	10.3	10.4 E	10.5	7.51	4.76E	4.22	4.50E	4.86	3
4	4.41	4.43E	5.02E	10.5	10.5	10.5	10.5	7.45E	4.64	5.10	4.36E	5.82	4
5	4.43	4.43	4.86	11.1	10.5E	10.5	9.63	7.39E	4.64	4.64	4.22	4.86	5
6	4.43E	4.64	4.86	11.1	10.5E	10.5	9.63	7.32E	5.10	4.64E	4.43	5.10	6
7	4.43E	4.64	4.64	11.0E	10.5	10.8	9.92E	7.26	5.10	4.64E	4.86	4.86	7
8	4.43	4.64	4.64	10.9E	11.1	10.8	10.2 E	7.26	5.02E	4.64E	4.64	4.79E	8
9	4.43	4.86	4.64	10.8	11.1	10.4 E	10.5	7.26	4.94E	4.64	4.86	4.71E	9
10	4.43	4.86E	4.79E	11.4	11.4	10.0 E	10.5	7.26	4.86	4.86	4.65E	4.64	10
11	4.43	4.86E	4.95E	10.8	11.8	9.63	9.63	7.02E	4.86	4.86	4.44E	4.54	11
12	4.64	4.86	5.10	11.4	11.6E	10.5	9.35	6.78E	4.64	4.64	4.22E	4.86	12
13	4.57E	4.84	5.58	11.4E	11.3E	11.1	9.07	6.54	4.64	4.79E	4.01	4.86	13
14	4.50E	4.86	6.54	11.4E	11.1	10.5	9.16E	6.30	4.86	4.95E	4.43	4.64	14
15	4.43	4.86	7.26	11.4E	10.8	10.5	9.26E	6.54	4.65E	5.10	4.86	4.71E	15
16	4.43	4.86	8.01	11.4E	10.8	10.6 E	9.35	6.54	4.43E	4.86	4.86	4.79E	16
17	4.43	4.94E	8.80	11.4	11.1	10.7 E	9.35	6.30	4.22	5.10	4.79E	4.86	17
18	4.43	5.02E	8.94E	11.2	11.8	10.8	9.35	6.22E	4.22	5.82	4.71E	4.86	18
19	4.64	5.10	9.07	11.1	11.7E	9.91	9.35	6.14E	4.22	4.43	4.64	4.86	19
20	4.57E	4.86	9.07	11.1	11.6E	9.63	9.35	6.06	4.22	4.65E	4.64	4.43	20
21	4.50E	4.64	9.35	10.9E	11.5E	10.5	9.26E	5.82	4.22	4.88E	4.64	4.43	21
22	4.43	4.86	9.91	10.7E	11.4	10.2	9.16E	5.82	4.22E	5.10	5.58	4.73E	22
23	4.86	4.86	9.91	10.5	11.4	10.2 E	9.07	5.82	4.22E	4.64	5.34	5.04E	23
24	4.86	4.94E	9.82E	10.5	11.4	10.2 E	9.07	5.82	4.22	4.64	5.11E	5.34	24
25	4.64	5.02E	9.72E	10.5	11.4	10.2	8.80	5.68E	4.22	4.43	4.87E	5.04E	25
26	4.64	5.10	9.63	10.5	11.2E	10.5	8.80	5.55E	4.22	4.43	4.64	4.73E	26
27	4.71E	5.34	9.91	10.5	11.0E	9.91	8.80	5.41	4.01	4.43E	5.82	4.43	27
28	4.79E	5.34	9.91	10.4E	10.8	9.91	8.71E	5.58	4.01	4.43E	5.34	4.43	28
29	4.86		10.2	10.3E	10.5	10.2	8.62E	5.10	4.01E	4.43	5.10	4.81E	29
30	4.86		9.91	10.2	10.2	10.3 E	8.53	5.10	4.01E	4.64	5.10	5.20E	30
31	4.86		10.0 E		10.2		8.01	5.10		4.64		5.58	31
TOTAL	140.73	135.16	230.66	324.9	341.4	310.39	292.23	199.47	135.24	145.35	143.01	150.77	TOTAL
MEAN	4.54	4.83	7.44	10.8	11.0	10.3	9.43	6.43	4.51	4.69	4.77	4.86	MEAN
MAX	4.86	5.34	10.2	11.4	11.8	11.1	10.5	7.76	5.10	5.82	5.82	5.82	MAX
MIN	4.22	4.43	4.64	10.1	10.2	9.63	8.01	5.10	4.01	4.01	4.01	4.43	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.98
MAXIMUM DAILY, 11.8 ON MAY 11
MINIMUM DAILY, 4.01 ON SEP 27

TYPE OF GAUGE - MANUAL
LOCATION - LAT 44 45 50 N
LONG 079 19 49 W

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	12 200	JUL	25 200
FEB	11 700	AUG	17 200
MAR	19 900	SEP	11 700
APR	28 100	OCT	12 600
MAY	29 500	NOV	12 400
JUN	26 800	DEC	13 000

TOTAL DISCHARGE, 220 000 dam³

SEVERN RIVER BELOW WASHAGO - STATION NO. 02EC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	42.7	41.2	49.6	29.1	42.8	33.9	19.0	37.2	22.4	16.0	16.8	22.5	1
2	42.6	41.0	55.1	29.6	32.3	34.0	19.2	30.6	22.2	15.8	16.8	22.3	2
3	39.8	41.0	56.7	30.4	32.5	34.1	19.4	37.9	22.1	15.4	16.5	30.3	3
4	32.7	41.0	56.1	31.3	25.9	34.2	19.4	37.3	20.7	16.8	16.2	37.6	4
5	32.2	41.0	55.6	32.2	21.2	34.2	17.8	36.6	19.4	17.3	16.0	28.0	5
6	31.5	41.2	55.5	37.2	21.2	34.4	17.4	36.0	20.3	17.2	16.4	34.8	6
7	30.8	41.2	55.2	40.2	21.5	34.6	18.0	37.7	20.1	17.1	17.2	35.1	7
8	30.1	41.0	51.5	39.7	22.1	34.6	18.5	39.1	19.8	17.0	16.8	34.3	8
9	30.0	41.2	45.3	47.1	21.9	33.4	19.1	39.0	19.6	16.9	17.2	33.5	9
10	30.0	41.2	45.8	54.7	23.3	32.3	23.0	39.0	19.3	17.3	16.5	32.7	10
11	30.2	41.3	46.1	53.9	23.8	25.4	24.7	38.2	19.3	18.0	15.9	33.8	11
12	30.5	41.3	46.6	64.2	23.4	21.3	22.1	37.3	19.1	17.5	15.2	34.2	12
13	30.4	41.9	50.2	71.5	24.4	21.0	25.4	36.5	19.0	17.9	16.9	34.6	13
14	30.3	41.3	55.1	70.9	25.1	21.1	26.8	36.3	19.5	18.2	19.0	33.6	14
15	32.8	41.3	61.3	70.3	27.7	22.1	27.0	37.7	18.7	18.6	20.4	33.7	15
16	34.5	41.3	48.1	69.7	29.6	22.3	27.2	38.9	17.8	17.7	20.6	34.1	16
17	34.5	41.5	37.5	69.1	30.3	22.5	30.0	38.2	17.0	18.5	20.6	34.4	17
18	30.1	41.6	37.9	73.3	32.1	22.7	31.6	37.8	17.0	19.4	20.6	34.4	18
19	27.7	45.2	38.3	78.0	32.1	31.0	31.5	37.5	16.8	16.8	20.6	34.4	19
20	23.8	46.9	38.3	80.5	32.2	33.0	33.0	37.2	16.8	17.1	20.7	32.1	20
21	20.6	46.4	28.9	82.8	32.2	29.5	32.6	36.8	16.7	17.5	20.9	31.4	21
22	20.7	46.6	15.1	81.5	39.7	23.1	32.0	36.8	16.7	17.8	19.8	30.9	22
23	25.4	43.6	15.2	80.4	47.0	20.5	37.5	36.8	16.7	16.7	20.4	31.6	23
24	26.6	41.2	17.0	80.4	50.3	18.9	41.4	36.8	16.7	17.1	19.8	32.3	24
25	28.3	41.3	18.8	81.2	60.3	18.9	41.1	35.9	16.7	16.2	29.2	31.0	25
26	28.5	41.5	23.2	81.0	63.0	19.5	41.0	35.1	16.6	16.2	30.2	29.6	26
27	28.6	44.8	27.8	81.0	60.7	17.1	41.0	34.2	15.9	16.2	33.6	28.3	27
28	28.7	44.7	28.2	80.8	52.1	17.5	40.3	33.1	15.9	16.2	36.9	28.2	28
29	28.8		28.0	81.2	47.1	18.4	39.6	31.2	15.9	16.2	36.1	27.2	29
30	28.8		28.1	66.3	45.2	18.7	38.9	29.6	16.0	16.8	27.7	15.5	30
31	36.5		28.8		40.2		36.8	25.0		15.9		13.4	31
TOTAL	950.7	1 184.7	1 245.1	1 869.5	1 083.0	784.2	892.3	1 124.9	550.7	531.3	661.5	949.8	TOTAL
MEAN	30.7	42.3	40.2	62.3	34.9	26.1	28.8	36.3	18.4	17.1	22.1	30.6	MEAN
MAX	42.7	46.9	61.3	82.8	63.0	34.6	41.4	39.1	22.4	19.4	36.9	37.6	MAX
MIN	20.6	41.0	15.1	29.1	21.2	17.1	17.4	25.0	15.9	15.4	15.2	13.4	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 32.4
MAXIMUM DAILY, 82.8 ON APR 21
MINIMUM DAILY, 13.4 ON DEC 31

LOCATION - LAT 44 45 16 N
LONG 079 19 08 W

REGULATED

REMARKS - DATA IS SUMMATION OF FLOWS AT STATIONS 02EC005, 02EC006, 02EC007 AND 02EC013

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	82 100	JUL	77 100
FEB	102 000	AUG	97 200
MAR	108 000	SEP	47 600
APR	162 000	OCT	45 900
MAY	93 600	NOV	57 200
JUN	67 800	DEC	82 100

TOTAL DISCHARGE, 1 020 000 dam³

SHAMATTAWA RIVER AT OUTLET OF SHAMATTAWA LAKE - STATION NO. 04DC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.22B	1.37 B	0.855B	0.970B	4.35B	111	24.5 E	5.50	2.92	3.78	8.38	7.10B	1
2	3.12B	1.33 B	0.850B	0.965B	5.40B	106	23.4 E	5.62	2.72	3.56	8.24	6.00B	2
3	3.03B	1.30 B	0.840B	0.960B	6.80B	101	22.0 E	5.17	3.97	4.05	8.36	6.50B	3
4	2.95B	1.27 B	0.840B	0.960B	8.40B	98.1	21.0 E	3.69	3.75	5.44	8.70	6.10B	4
5	2.87B	1.23 B	0.840B	0.955B	10.5 B	94.5	20.1 E	3.88	3.90	5.41	8.56	5.85B	5
6	2.80B	1.19 B	0.840B	0.950B	13.5 B	87.8	19.0 E	4.74	3.51	5.89	8.91	5.55B	6
7	2.72B	1.17 B	0.840B	0.945B	17.0 B	83.2	18.6 E	4.59	3.97	7.33	8.84	5.30B	7
8	2.65B	1.15 B	0.840B	0.940B	23.0 B	80.4	18.8 E	4.34	4.49	8.28	8.98	5.05B	8
9	2.58B	1.12 B	0.840B	0.940B	30.0 B	75.6	19.2 E	3.15	3.65	8.86	9.04	4.85B	9
10	2.50B	1.10 B	0.840B	0.935B	37.0 B	73.4	18.4 E	3.36	3.81	9.82	8.98	4.60B	10
11	2.42B	1.08 B	0.835B	0.935B	50.0 B	70.8	17.1 E	3.35	3.86	9.62	7.39	4.35B	11
12	2.35B	1.05 B	0.835B	0.935B	68.0 B	67.2	16.1 E	3.06	3.38	9.40	6.13	4.20B	12
13	2.30B	1.03 B	0.835B	0.935B	90.0 B	63.4	15.2 E	2.86	3.63	9.07	9.48	4.05B	13
14	2.22B	1.01 B	0.835B	0.935B	125 B	60.6	14.4 E	2.65	3.61	9.39	9.38	3.85B	14
15	2.17B	0.990B	0.840B	0.935B	172 A	61.2	13.7 E	2.98	3.33	8.83	8.86	3.70B	15
16	2.11B	0.975B	0.845B	0.940B	192 A	57.2	13.2 E	2.91	2.95	8.57	8.64	3.50B	16
17	2.05B	0.965B	0.850B	0.940B	221 A	53.6	12.7 A	2.65	3.44	8.54	8.48	3.35B	17
18	2.00B	0.950B	0.860B	0.945B	224 A	51.1	12.1	2.48	3.90	7.79	7.92	3.20B	18
19	1.93B	0.930B	0.870B	0.955B	228 E	49.6	10.7	2.66	3.69	7.85	7.73	3.05B	19
20	1.87B	0.920B	0.880B	0.970B	227 E	45.5	10.4	2.89	3.06	8.36	7.42	2.95B	20
21	1.83B	0.910B	0.890B	1.00 B	224 E	41.0	10.3	2.73	3.11	8.44	7.49	2.85B	21
22	1.78B	0.900B	0.900B	1.07 B	218 E	36.8	10.4	2.46	3.59	8.22	7.88	2.70B	22
23	1.74B	0.890B	0.915B	1.14 B	210 A	35.6	9.77	2.49	3.53	8.25	7.96	2.60B	23
24	1.69B	0.880B	0.925B	1.26 B	197	35.3	9.55	2.56	3.40	8.18	8.11	2.55B	24
25	1.63B	0.870B	0.930B	1.46 B	184	32.1	8.52	2.43	3.62	8.60	8.29	2.45B	25
26	1.60B	0.865B	0.940B	1.70 B	172	31.2	8.37	2.26	3.82	8.77	8.40B	2.35B	26
27	1.56B	0.860B	0.950B	1.95 B	160	30.1E	8.20	2.13	3.69	8.30	8.45B	2.25B	27
28	1.52B	0.860B	0.960B	2.35 B	149	28.0E	7.79	2.40	3.32	8.25	8.35B	2.17B	28
29	1.49B		0.964B	2.95 B	140	26.5E	6.62	2.52	3.25	8.43	7.95B	2.10B	29
30	1.44B		0.970B	3.50 B	131	25.5E	5.75	2.78	3.68	8.27	7.50B	2.04B	30
31	1.40B		0.970B		122		5.60	3.12		8.18		1.97B	31
TOTAL	67.54	29.165	27.224	37.325	3 659.95	1 813.3	431.47	100.51	106.55	241.73	248.80	119.93	TOTAL
MEAN	2.18	1.04	0.878	1.24	118	60.4	13.9	3.24	3.55	7.80	8.29	3.87	MEAN
MAX	3.22	1.37	0.970	3.50	228	111	24.5	5.62	4.49	9.82	9.48	7.10	MAX
MIN	1.40	0.860	0.835	0.935	4.35	25.5	5.60	2.13	2.72	3.56	6.13	1.97	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.9
MAXIMUM DAILY, 228E ON MAY 19
MINIMUM DAILY, 0.835B ON MAR 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 17 00 N
LONG 085 39 00 W
DRAINAGE AREA, 4 710 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 840	JUL	37 300
FEB	2 520	AUG	8 680
MAR	2 350	SEP	9 210
APR	3 220	OCT	20 900
MAY	316 000	NOV	21 500
JUN	157 000	DEC	10 400

TOTAL DISCHARGE, 595 000 dam³

SHEBANDOWAN RIVER AT OUTLET OF SHEBANDOWAN LAKE - STATION NO. 02AB011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	1.10	1.50	14.8	0	3.50	22.4	0	0	0	0	6.80	1
2	---	1.40	1.50	14.3	0	3.60	22.4	0	0	0	0	6.40	2
3	---	1.00	1.40	13.4	0	---	22.4	0	0	0	0	6.20	3
4	---	1.00	1.40	12.9	0	3.50	---	0	0	0	0	6.20	4
5	1.40	1.00	1.40	7.00	0	3.30	22.4	0	0	0	0	6.00	5
6	1.40	1.00	1.50	0	0	3.60	20.8	0	0	0	0	6.20	6
7	1.10	1.10	1.50	0	0	3.30	24.7	0	0	0	0	6.00	7
8	1.10	1.10	1.60	0	0	3.60	25.6	0	0	0	0	5.80	8
9	1.10	1.00	1.60	0	0.200	3.60	26.5	0	0	0	0	5.80	9
10	1.10	1.10	1.60	0	0.400	3.60	28.3	0	0	0	0	5.60	10
11	1.10	1.10	1.60	0	0.500	3.50	7.70	0	0	0	0	5.60	11
12	1.10	1.10	1.80	0	0.600	3.60	1.90	0	0	0	0	5.60	12
13	1.10	1.30	2.10	0	0.700	4.10	2.30	0	0	0	0	5.40	13
14	1.10	1.30	2.10	0	8.40	4.30	---	0	0	0	0	5.40	14
15	1.00	1.30	2.10	0	17.7	4.30	---	0	0	0	0	5.40	15
16	1.10	1.30	2.30	0	17.7	4.00	---	0	0	0	4.50	5.40	16
17	1.10	1.30	2.40	0	17.7	3.80	---	0	0	0	8.00	5.40	17
18	1.10	1.30	2.40	0	17.7	23.2	---	0	0	0	7.80	5.40	18
19	1.00	1.50	7.50	0	17.4	52.1	1.50	0	0	0	7.80	5.00	19
20	1.00	1.30	11.9	0	17.7	50.3	1.50	0	0	0	7.30	5.00	20
21	1.00	1.50	11.6	0	17.4	50.3	1.10	0	0	0	7.50	5.40	21
22	1.00	1.50	11.0	0	17.4	49.7	0.900	0	0	0	8.00	5.20	22
23	1.00	1.50	10.7	0	16.4	46.9	0.800	0	0	0	7.80	5.20	23
24	1.10	1.30	9.90	0	16.1	46.3	0.500	0	0	0	7.30	5.20	24
25	1.00	1.30	9.70	0	15.8	45.8	0	0	0	0	7.30	5.00	25
26	1.00	1.30	9.40	0	15.8	45.2	0	0	0	0	6.80	5.00	26
27	1.00	1.50	13.3	0	15.8	33.3	0	0	0	0	7.10	5.00	27
28	1.00	1.50	18.5	0	10.1	22.4	0	0	0	0	7.10	4.80	28
29	1.00		17.1	0	3.50	22.4	0	0	0	0	6.80	4.80	29
30	1.00		16.7	0	3.50	22.4	0	0	0	0	---	---	30
31	0.900		13.2		3.50		0			0	---	---	31
TOTAL	---	35.00	192.30	62.40	252.000	---	---	0	0	0	108.20	---	TOTAL
MEAN	---	1.25	6.20	2.08	8.13	---	---	0	0	0	3.61	---	MEAN
MAX	---	1.50	18.5	14.8	17.7	---	---	0	0	0	8.00	---	MAX
MIN	---	1.00	1.40	0	0	---	---	0	0	0	0	---	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 52.1 ON JUN 19
MINIMUM DAILY, 0 ON APR 06

TYPE OF GAUGE - MANUAL
LOCATION - LAT 48 37 11 N
LONG 090 03 42 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	3 020	AUG	0
MAR	16 600	SEP	0
APR	5 390	OCT	0
MAY	21 800	NOV	9 350
JUN	---	DEC	---

DATA CONTRIBUTED BY - ONTARIO HYDRO

REGULATED SINCE 1924

REMARKS - DATA PUBLISHED AS RECEIVED FROM CONTRIBUTOR

SHEBANDOWAN RIVER AT SUNSHINE - STATION NO. 02AB009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.72B	5.40B	5.44B	8.55B	84.0	17.2	79.5	13.6	4.32	3.83	11.0	11.2 E	1
2	5.60B	5.40B	5.45B	8.75B	68.4	16.8	66.9	12.9	4.04	3.62	10.7	10.8 E	2
3	5.66B	5.40B	5.47B	8.90B	55.2	17.9	58.5	12.5	3.79	4.11	10.5	10.6 E	3
4	5.62B	5.40B	5.48B	9.15B	45.6	21.0	53.4	12.1	3.72	6.56	10.0	10.3 E	4
5	5.60B	5.40B	5.50B	9.40B	39.4	21.8	49.3	11.6	3.41	7.95	9.35	10.1 E	5
6	5.58B	5.40B	5.52B	9.70B	34.8	22.9	46.4	11.4	3.35	7.79	8.73	9.95E	6
7	5.56B	5.40B	5.54B	9.60B	31.0	22.8	45.9	11.1	3.07	7.73	8.09	9.80E	7
8	5.54B	5.40B	5.56B	9.62	28.2	21.5	46.2	10.7	3.07	7.20	8.16	9.70E	8
9	5.52B	5.40B	5.58B	10.1	26.1	21.0	47.2	10.5	3.05	6.50	7.18	9.60E	9
10	5.51B	5.40B	5.59B	10.5	34.4	20.3	65.0A	10.2	2.94	5.75	10.3	9.45E	10
11	5.50B	5.40B	5.60B	9.81	32.8	19.5	57.0E	10.2	2.90	5.28	9.29	9.36E	11
12	5.48B	5.40B	5.61B	9.73	29.7	26.4	51.0E	10.1	2.94	5.09	8.89	9.27E	12
13	5.47B	5.40B	6.00B	9.56	27.2	44.6	45.0E	9.85	2.89	4.90	5.75	9.18E	13
14	5.46B	5.40B	6.40B	11.0	29.5	43.6	42.0E	9.83	3.32	5.18	5.98	9.09E	14
15	5.46B	5.40B	7.10B	12.1	44.6	36.3	40.5E	9.70	3.73	4.65	5.56	9.00E	15
16	5.45B	5.40B	7.50B	13.0	43.9	31.1	38.0E	9.59	4.40	4.33	5.61	8.95E	16
17	5.45B	5.40B	7.65B	12.5	46.1	48.5	36.5E	9.43	4.60	4.67A	5.60E	8.90E	17
18	5.44B	5.40B	7.75B	12.6	49.0	92.6	37.0E	9.55	4.64	6.76A	5.60E	8.85E	18
19	5.44B	5.40B	7.85B	16.8	47.6	110	37.5E	9.37	4.57	7.79	5.60E	8.80E	19
20	5.43B	5.40B	8.00B	25.2	44.6	94.9	34.5E	8.98	4.46	7.86	5.60E	8.75E	20
21	5.43B	5.40B	8.01B	31.6	42.0	88.6	33.0E	8.55	4.57	9.69	5.75E	8.72E	21
22	5.42B	5.41B	8.02B	36.3	40.2	84.8	31.0E	8.38	5.03	12.1	6.00E	8.69E	22
23	5.41B	5.41B	8.03B	41.8	38.4	78.7	33.5E	8.29	5.29	13.4	6.15E	8.66E	23
24	5.41B	5.41B	8.04B	47.5	36.7	71.8	29.0E	8.47	5.66	13.6	7.20E	8.63E	24
25	5.40B	5.42B	8.05B	49.1	35.4	65.8	22.5A	9.70	5.12	13.2	8.50E	8.60E	25
26	5.40B	5.42B	8.07B	56.2	34.5	77.0	19.2	12.3	4.90	12.3	12.1 E	8.57E	26
27	5.40B	5.43B	8.10B	59.1	33.4	77.4	17.5	12.2	4.63	12.5	13.0 E	8.54E	27
28	5.40B	5.43B	8.14B	85.7	31.7	60.0	16.7	9.72	4.28	13.6	12.5 E	8.50E	28
29	5.40B		8.18B	91.6	20.9	59.5	15.9	8.86	3.99	13.9	12.1 E	8.47E	29
30	5.40B		8.24B	92.2	18.8	90.7	15.1	6.61	3.80	12.8	11.7 E	8.43E	30
31	5.40B		8.30B		18.0		14.4	5.91		11.8		8.40E	31
TOTAL	170.04	151.33	213.77	817.67	1 205.1	1 505.0	1 257.4	312.19	120.48	256.44	252.69	285.86	TOTAL
MEAN	5.49	5.40	6.90	27.3	38.9	50.2	40.6	10.1	4.02	8.27	8.42	9.22	MEAN
MAX	5.72	5.43	8.30	92.2	84.0	110	79.5	13.6	5.66	13.9	13.0	11.2	MAX
MIN	5.40	5.40	5.44	8.55	18.0	16.8	14.4	5.91	2.89	3.62	5.56	8.40	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.9
MAXIMUM DAILY, 110 ON JUN 19
MINIMUM DAILY, 2.89 ON SEP 13
MAXIMUM INSTANTANEOUS,
118 AT 04:40 EST ON JUN 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 33 20 N
LONG 089 40 55 W
DRAINAGE AREA, 2 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	14 700	JUL	109 000
FEB	13 100	AUG	27 000
MAR	18 500	SEP	10 400
APR	70 600	OCT	22 200
MAY	104 000	NOV	21 800
JUN	130 000	DEC	24 700

TOTAL DISCHARGE, 566 000 dam³

SHELTER VALLEY BROOK NEAR GRAFTON - STATION NO. 02HD010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.620B	0.570B	0.670B	0.975	0.676	0.513	0.602	0.460	0.345	0.447	0.512	0.487	1
2	0.440B	0.540B	0.640B	1.28	0.613	0.502	0.518	0.423	0.360	0.406	0.492	0.481	2
3	0.600B	0.525B	0.620B	2.12	0.587	0.750	0.450	0.419	0.324	0.384	0.496	0.507B	3
4	0.740B	0.515B	0.600B	2.66	0.591	0.653	0.421	0.411	0.353	0.776	0.494	2.26 B	4
5	1.00 B	0.500B	0.590B	2.50	1.09	0.559	0.398	0.393	0.393	0.749	0.564	1.32	5
6	0.600B	0.640B	0.640B	1.38	0.849	0.547	0.376	0.388	0.401	0.494	1.06	0.807	6
7	0.480B	0.900B	0.700B	1.05	1.03	0.509	0.370	0.386	0.396	0.439	0.640	0.699	7
8	0.445B	1.19 B	0.800B	0.930	1.24	0.522	0.368	0.364	0.347	0.449	0.593	0.656	8
9	0.430B	3.06 B	0.850B	0.901	0.898	0.722	0.458	0.332	0.348	0.766	0.524	0.668	9
10	0.415B	1.91	0.700B	1.81	1.01	0.943	0.406	0.331	0.374	0.742	0.628	0.797	10
11	0.400B	1.07 B	1.71 B	2.37	0.996	0.676	0.367	0.312	0.369	0.949	0.593	0.666	11
12	0.390B	0.868B	19.8 B	1.36	0.815	0.550	0.368	0.316	0.346	0.722	0.547	0.585	12
13	0.380B	1.18	11.7	1.07	1.11	0.497	0.355	0.811	0.343	0.729	0.515B	0.751	13
14	0.370B	1.64 B	5.90	1.34	0.964	0.488	0.347	0.557	0.361	0.570	0.500	0.865	14
15	0.365B	0.680B	3.39	2.00	0.761	0.477	0.443	0.424	0.405	0.513	0.514	0.662	15
16	0.740B	0.640B	2.40	1.27	1.10	0.459	0.553	0.432	0.368	0.486	0.542	0.551	16
17	2.83	0.605B	2.45	1.47	3.14	0.439	0.547	0.379	0.347	0.537	0.537	0.527	17
18	6.30 B	0.580B	1.56	0.973	1.80	0.551	0.549	0.362	0.349	0.839	0.517	1.03	18
19	1.19 B	0.560B	1.14	0.887	1.20	0.496	0.501	0.361	0.366	0.792	0.488	1.29	19
20	0.840B	0.550B	1.06	0.978	1.93	0.457	0.491	0.347	0.389	0.579	0.469	1.13	20
21	0.740B	0.800B	0.986	1.54	1.75	0.496	0.508	0.351	0.368	0.555	0.460	0.79B	21
22	0.680B	1.30 B	1.05	1.15	1.18	0.507	0.502	0.348	0.406	0.514	0.542	1.79	22
23	0.840B	2.50 B	1.42	0.955	0.975	0.523	0.553	0.360	0.406	0.511	0.642	3.09 B	23
24	1.00 B	1.10 B	0.956	0.917	0.882	0.530	0.581	0.341	0.385	0.505	0.552	1.40 B	24
25	1.09	0.920B	0.833	1.37	0.781	0.465	0.576	0.340	0.460	0.497	0.534	1.00 B	25
26	1.98	0.820B	0.808	1.09	0.722	0.411	0.571	0.341	0.449	0.471	0.502	1.30 B	26
27	1.02	0.760B	0.712B	0.922	0.659	0.441	0.551	0.331	0.391	0.473	0.600	1.70 B	27
28	1.01	0.720B	0.696	0.839	0.633	0.422	0.536	0.511	0.443	0.681	0.602	2.40 B	28
29	0.851		0.682	0.774	0.599	0.496	0.506	0.601	0.369	0.567	0.523	3.20 B	29
30	0.696		0.813	0.719	0.573	0.619	0.498	0.386	0.494	0.518	0.486	3.50	30
31	0.607		1.02		0.535		0.477	0.353		0.529		1.81	31
TOTAL	30.089	27.643	67.896	39.400	31.689	16.220	14.747	12.471	11.455	18.189	16.668	38.727	TOTAL
MEAN	0.971	0.987	2.19	1.31	1.02	0.541	0.476	0.402	0.382	0.587	0.556	1.25	MEAN
MAX	6.30	3.06	19.8	2.66	3.14	0.943	0.602	0.811	0.494	0.949	1.06	3.50	MAX
MIN	0.365	0.500	0.590	0.719	0.535	0.411	0.347	0.312	0.324	0.384	0.460	0.481	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.891
MAXIMUM DAILY, 19.8B ON MAR 12
MINIMUM DAILY, 0.312 ON AUG 11
MAXIMUM INSTANTANEOUS,
39.7 AT 06:32 EST ON MAR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 59 31 N
LONG 078 00 07 W
DRAINAGE AREA, 64.8 km²

B - ICE CONDITIONS

REGULATED SINCE 1990

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 600	JUL	1 270
FEB	2 390	AUG	1 080
MAR	5 870	SEP	990
APR	3 400	OCT	1 570
MAY	2 740	NOV	1 440
JUN	1 400	DEC	3 350

TOTAL DISCHARGE, 28 100 dam³

SKOOTAMATTA RIVER NEAR ACTINOLITE - STATION NO. 02HL004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.15B	8.65B	7.60B	19.5	17.6	4.04	2.13	0.997	0.452	0.403	2.32	7.30	1
2	5.40B	8.10B	6.90B	18.8	13.3	3.75	2.07	0.951	0.443	0.461	2.22	6.96	2
3	5.70B	7.70B	6.35B	21.0	10.4	3.56	1.89	0.899	0.433	0.498	2.06	6.98	3
4	6.12	7.35B	5.90B	26.9	9.03	3.52	1.73	0.870	0.432	0.508	1.99	8.94B	4
5	7.23	7.00B	5.55B	33.7	8.13	3.41	1.57	0.925	0.445	0.582	2.15	11.7	5
6	7.30	6.80B	5.25B	33.4	7.81	3.19	1.44	0.976	0.444	0.633	2.94	12.4	6
7	6.83	6.60B	4.95B	30.8	8.15	3.04	1.19	0.991	0.463	0.567	3.60	12.1	7
8	6.46	6.40B	4.64B	28.4	9.03	2.97	1.06	0.957	0.455	0.494	3.69	11.6	8
9	6.09	7.18	4.45B	26.2	9.24	2.81	1.06	0.804	0.455	0.496	3.56	10.7	9
10	5.96	8.42	4.30B	24.6	9.65	3.08	1.05	0.642	0.451	0.647	3.74	10.4	10
11	6.18	8.57	5.30B	26.1	11.8	3.24	1.12	0.570	0.433	0.987	3.93	8.96	11
12	6.19	8.10	11.0	27.2	12.4	3.00	0.925	0.548	0.409	2.12	3.83	9.53	12
13	5.70B	7.74	19.8 B	26.3	10.8	2.83	0.772	0.646	0.419	2.53	3.57	9.35	13
14	5.45B	8.65B	32.5 B	24.7	9.67	2.70	0.670	0.704	0.436	2.50	3.32	8.45	14
15	5.25B	8.70B	40.6	25.5	8.84	3.41	0.699	0.714	0.453	2.31	3.45	8.12	15
16	5.10B	8.30B	43.6	26.7	8.05	2.79	0.860	0.697	0.427	2.19	3.52	9.44	16
17	5.35B	7.90B	47.3	26.4	8.48	2.85	1.14	0.671	0.400	2.10	3.61	8.27	17
18	9.52	7.55B	50.1	24.7	11.9	2.76	1.07	0.643	0.383	2.20	3.56	9.12	18
19	11.8	7.20B	46.8	22.6	13.2	2.51	0.850	0.606	0.368	2.54	3.49	12.2	19
20	11.4	6.95B	43.9	20.7	12.0	2.36	0.757	0.571	0.362	2.51	3.64	12.0	20
21	10.1	6.65B	40.1	20.6	14.0	2.36	0.688	0.540	0.358	2.37	3.88	13.7	21
22	8.94	6.50B	36.4	21.9	14.5	2.55	0.642	0.525	0.379	2.20	4.10	18.5	22
23	8.43	10.8	35.8	21.2	13.6	2.74	1.17	0.514	0.368	2.08	5.09	27.4	23
24	8.14	13.5	35.6	19.3	12.1	2.68	2.08	0.495	0.363	2.00	5.44	31.6	24
25	8.74	12.8	34.4	23.2	10.6	2.61	2.00	0.479	0.386	1.90	5.59	33.3	25
26	10.7	10.3	32.1	29.2	9.77	2.48	1.57	0.472	0.382	1.80	5.46	29.7	26
27	11.5	8.85B	29.3	28.4	8.14	2.26	1.55	0.473	0.372	1.74	5.36	26.3	27
28	11.4	8.15B	27.1	24.2	6.98	2.10	1.43	0.464	0.339	2.07	6.70	23.7	28
29	10.4 B		24.5	21.2	6.06	2.02	1.22	0.469	0.322	2.51	7.98	26.5	29
30	9.70B		22.2	19.6	5.29	2.04	1.12	0.455	0.383	2.62	7.67	40.4	30
31	9.10B		20.6		4.58		1.05	0.450		2.53		44.9	31
TOTAL	241.33	231.41	734.89	743.0	315.10	85.66	38.573	20.718	12.215	51.096	121.46	516.52	TOTAL
MEAN	7.78	8.26	23.7	24.8	10.2	2.86	1.24	0.668	0.407	1.65	4.05	16.7	MEAN
MAX	11.8	13.5	50.1	33.7	17.6	4.04	2.13	0.997	0.463	2.62	7.98	44.9	MAX
MIN	5.10	6.40	4.30	18.8	4.58	2.02	0.642	0.450	0.322	0.403	1.99	6.96	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.53
MAXIMUM DAILY, 50.1 ON MAR 18
MINIMUM DAILY, 0.322 ON SEP 29
MAXIMUM INSTANTANEOUS,
51.4 AT 03:19 EST ON MAR 18

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 32 58 N
LONG 077 19 45 W
DRAINAGE AREA, 712 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	20 900	JUL	3 330
FEB	20 000	AUG	1 790
MAR	63 500	SEP	1 060
APR	64 200	OCT	4 410
MAY	27 200	NOV	10 500
JUN	7 400	DEC	44 600

TOTAL DISCHARGE, 269 000 dam³

SOUTH BRANCH MUSKOKA RIVER AT BAYSVILLE - STATION NO. 02EB008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	12.9	23.4	28.4	59.0	27.7	32.4	7.06	3.16	2.23	20.4	18.5	77.5	1
2	13.1	28.4	27.7	58.3	28.4	27.7	6.78	2.95	2.23	27.2	18.2	76.8	2
3	12.9	29.0	27.1	58.3	28.5	26.6	6.78	3.06	2.14	30.3	18.0	76.0	3
4	13.0	31.7	26.6	57.6	27.7	26.0	6.78	2.95	2.05	31.7	18.0	74.9	4
5	12.9	31.7	26.0	53.4	28.7	26.0	7.06	2.95	2.05	29.5	18.0	73.8	5
6	12.9	30.3	25.5	49.2	29.4	20.9	5.09	2.95	2.05	26.6	17.7	73.0	6
7	12.9	30.3	24.2	49.2	24.7	16.2	2.95	2.95	2.05E	26.6	18.0	71.5	7
8	12.9	29.7	29.5	49.2	15.3	16.2	2.77	2.95	2.05	26.6	18.0	69.3	8
9	12.9	29.7	38.0	49.2	15.3	15.7	2.81E	2.86	2.05	26.6	18.2	66.3	9
10	12.9	28.4	36.6	45.5	15.3	15.3	2.84	2.77	2.05	27.4	18.2	65.1	10
11	12.9	27.7	35.9	40.8	15.3	15.3	2.77	2.77	2.05	28.5	18.2	63.0	11
12	12.9	27.7	35.9	40.1	15.3	15.3	2.77	2.77	2.05	30.3	18.2	52.1	12
13	12.9	27.4	40.9	38.7	15.3	15.3	2.77	2.77	2.05	29.0	18.0	40.1	13
14	12.9	27.4	46.4	38.0	16.6	14.9	2.77	2.77	2.05	27.7	18.0	39.8	14
15	12.9	27.5	46.4	38.0	17.1	14.9	2.77	2.77	2.23	27.7	18.5	39.4	15
16	12.9	27.7	47.8	38.0	17.1	14.9	2.77	2.68	2.41	24.2	18.9	39.4	16
17	16.3	27.7	50.6	33.4	19.6	14.9	2.77	2.59	2.59	20.4	19.4	39.4	17
18	20.9	27.4	52.7	29.7	22.1	14.9	2.77	2.59	2.59	20.9	19.9	39.4	18
19	23.4	27.1	54.6E	30.5	23.4	14.9	2.95	2.59	2.59	21.4	19.9	38.7	19
20	23.4	27.4	56.4E	31.7	33.1	12.0	2.95	2.59	2.59	21.4	19.9	31.5	20
21	23.4	28.3	58.3	31.0	38.0	8.56	2.95	2.59	2.77	21.4	19.9	24.9	21
22	23.4	29.0	58.3	30.3	38.0	7.06	2.95	2.59	2.95	21.4	20.7	24.9	22
23	23.4	29.7	60.4	30.0	38.0	7.06	3.16	2.59	3.16	21.4	21.9	25.5	23
24	23.4	28.4	60.4	30.7	38.0	7.06	3.06	2.59	10.5	21.9	22.9	26.0	24
25	23.4	27.7	55.5	33.5	38.0	7.06	2.95	2.59	20.4	21.9	24.9	26.0E	25
26	23.4	27.7	56.2	35.9	37.3	7.06	2.95	2.41	20.9	21.7	26.0	26.0	26
27	23.4	28.1	55.5	38.7	37.3	7.06	2.95	2.41	20.9	21.2	26.6	26.6	27
28	23.4	28.4	55.5	40.1	37.3	7.06	2.95	2.37	20.4	20.4	47.9	26.6	28
29	23.4		60.4	41.5	35.9	7.06	2.95	2.41	20.4	19.9	71.5	26.6	29
30	23.4		60.4	34.6	34.5	7.06	2.95	2.41	20.4	19.6	77.5	27.1	30
31	23.4		59.7		33.1		3.27	2.32		18.9		27.7	31
TOTAL	548.1	794.9	1 397.8	1 234.1	851.3	442.40	112.07	83.72	186.93	754.1	729.5	1 434.9	TOTAL
MEAN	17.7	28.4	45.1	41.1	27.5	14.7	3.62	2.70	6.23	24.3	24.3	46.3	MEAN
MAX	23.4	31.7	60.4	59.0	38.0	32.4	7.06	3.16	20.9	31.7	77.5	77.5	MAX
MIN	12.9	23.4	24.2	29.7	15.3	7.06	2.77	2.32	2.05	18.9	17.7	24.9	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 23.5
MAXIMUM DAILY, 77.5 ON NOV 30
MINIMUM DAILY, 2.05 ON SEP 04

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 45 08 50 N
LONG 079 06 50 W
DRAINAGE AREA, 1 390 km²

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	47 400	JUL	9 680
FEB	68 700	AUG	7 230
MAR	121 000	SEP	16 200
APR	107 000	OCT	65 200
MAY	73 600	NOV	63 000
JUN	38 200	DEC	124 000

TOTAL DISCHARGE, 741 000 dam³

SOUTH CASTOR RIVER AT KENMORE - STATION NO. 02LB020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.170B	1.80B	1.40 B	2.26	1.80	0.688	0.223	0.153	0.126	2.07	0.879	1.60	1
2	0.168B	1.60B	1.23 B	2.70	1.51	0.625	0.209	0.133	0.109	1.63	0.837	1.39	2
3	0.167B	1.42B	1.10 B	6.08	1.32	0.598	0.207	0.122	0.096	1.12	0.814	1.05	3
4	0.168B	1.26B	1.02 B	29.3	1.16	0.578	0.199	0.117	0.097	0.826	0.790	1.04B	4
5	0.370B	1.18B	0.914B	23.4	1.07	0.535	0.213	0.119	0.097	1.10	0.821	2.81B	5
6	0.358B	1.13B	0.822B	12.3	1.27	0.491	0.271	0.157	0.094	1.11	1.58	3.02B	6
7	0.345B	1.09B	0.763B	6.51	1.36	0.486	0.249	0.181	0.092	0.832	2.01	2.41B	7
8	0.338B	1.08B	0.740B	4.29	1.27	0.455	0.205	0.143	0.096	0.663	2.29	2.19	8
9	0.330B	2.04B	0.720B	3.55	1.27	0.401	0.103	0.133	0.098	0.605	1.78	2.10	9
10	0.324B	7.62B	0.843B	5.23	1.43	0.420	0.172	0.127	0.096	1.48	1.65	2.30B	10
11	0.320B	3.40B	2.83 B	9.46	2.97	0.441	0.167	0.126	0.099	2.00	2.01	2.20B	11
12	0.319B	2.60B	9.34 B	10.6	2.72	0.435	0.142	0.119	0.111	2.41	1.85	1.91B	12
13	0.318B	2.15B	17.4 B	7.05	2.08	0.372	0.128	0.143	0.104	3.35	1.57 B	1.58B	13
14	0.317B	6.62B	16.7 B	6.91	1.74	0.349	0.119	0.196	0.101	6.30	1.28 B	1.50B	14
15	0.316B	2.50B	14.5 B	10.6	1.49	0.338	0.128	0.230	0.105	3.75	1.14	1.38B	15
16	0.315B	2.11B	20.2 B	8.68	1.33	0.329	0.140	0.195	0.095	2.40	1.16	1.19B	16
17	0.320B	1.78B	27.0 B	6.73	1.64	0.315	0.136	0.166	0.094	1.78	1.53	1.08	17
18	6.80 B	1.58B	25.0 B	5.01	5.40	0.332	0.120	0.160	0.090	1.57	1.87	1.08	18
19	5.03 B	1.40B	11.2	3.67	4.01	0.301	0.115	0.161	0.087	2.27	1.55	1.85B	19
20	3.40 B	1.25B	8.33	3.26	2.76	0.272	0.167	0.148	0.079	2.10	1.34	1.56B	20
21	2.12 B	1.18B	6.77	5.39	4.78	0.277	0.158	0.136	0.074	1.65	1.21	1.41B	21
22	1.48 B	1.72B	9.26	5.21	4.02	0.273	0.171	0.117	0.081	1.41	1.21	1.61B	22
23	1.32 B	6.50B	7.68	3.97	2.68	0.305	0.255	0.107	0.091	1.24	1.64	29.0 B	23
24	1.26 B	5.28B	4.92	3.26	2.09	0.312	0.467	0.096	0.103	1.20	2.25	20.5	24
25	1.22 B	3.90B	3.29	3.08	1.72	0.327	0.384	0.093	0.109	1.18	2.13	9.21B	25
26	6.90 B	3.00B	2.81	3.02	1.48	0.310	0.276	0.094	0.100	1.13	1.88	6.81B	26
27	4.81 B	2.38B	2.13	2.84	1.31	0.269	0.208	0.091	0.108	1.07	1.68	5.41B	27
28	3.70 B	1.90B	1.81	2.53	1.22	0.239	0.165	0.095	0.119	1.01	2.35	5.23B	28
29	3.10 B		1.73	2.24	0.960	0.228	0.139	0.179	0.148	1.02	2.30	7.48B	29
30	2.49 B		1.66	1.91	0.851	0.220	0.130	0.215	0.432	1.01	1.84	29.6 B	30
31	2.12 B		1.61		0.780		0.137	0.168		0.956		14.9 B	31
TOTAL	50.713	71.07	202.722	201.04	61.391	11.521	5.983	4.420	3.331	52.242	48.241	168.40	TOTAL
MEAN	1.64	2.54	6.54	6.70	1.98	0.384	0.193	0.143	0.111	1.69	1.61	5.43	MEAN
MAX	6.90	7.62	27.0	29.3	5.40	0.608	0.467	0.230	0.432	6.30	3.01	29.6	MAX
MIN	0.167	1.08	0.720	1.91	0.780	0.220	0.115	0.091	0.074	0.605	0.790	1.04	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.41
MAXIMUM DAILY, 29.6B ON DEC 30
MINIMUM DAILY, 0.074 ON SEP 21
MAXIMUM INSTANTANEOUS,
37.5 AT 16:22 EST ON APR 04

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 13 40 N
LONG 075 24 46 W
DRAINAGE AREA, 189 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 380	JUL	517
FEB	6 140	AUG	382
MAR	17 500	SEP	288
APR	17 400	OCT	4 510
MAY	5 300	NOV	4 170
JUN	995	DEC	14 500

TOTAL DISCHARGE, 76 100 dam³

SOUTH MAITLAND RIVER AT SUMMERHILL - STATION NO. 02FE009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.60B	6.98	3.70B	3.60E	1.83	1.06	1.46	1.98	0.181	4.72	2.41	14.4	1
2	5.80B	11.0	3.40B	3.80E	1.58	0.939	0.992	0.887	0.144	2.75	2.21	7.53	2
3	6.00B	9.42B	4.10B	4.40E	1.41	0.967	0.749	0.524	0.116	1.96A	2.01	5.73	3
4	11.0 B	6.50B	3.50B	7.20E	1.29	0.997	0.601	0.367	0.097	9.28E	1.85	8.08	4
5	23.0 B	5.00B	2.85B	8.40E	1.70	0.904	0.569	0.312	0.104	11.8 E	7.11	8.33	5
6	27.0 B	4.30B	2.40B	4.80E	1.63	0.800	0.481	0.271	0.130	6.58E	37.1	7.65	6
7	20.0 B	4.25B	2.10B	3.80E	1.36	0.725	0.403	0.234	0.187	3.87E	40.7	6.60	7
8	12.0 B	5.46	1.90B	3.35E	1.17	0.667	0.565	0.194	0.411	2.74E	33.0	6.15	8
9	7.40B	31.7	3.40B	2.95E	1.14	0.658	10.3	0.164	0.326	26.1 E	23.6	6.07	9
10	6.20B	38.7	9.00E	3.50A	2.17	0.610	14.3	0.138	0.295	42.7 E	16.2	8.80	10
11	5.20B	28.3	20.0 E	7.23	1.41	0.564	4.54	0.120	0.231	40.2 E	11.0	10.4	11
12	4.30B	16.6	44.0 E	6.53	1.07	0.489	1.89	0.133	0.178	26.4 E	8.27	9.32	12
13	3.80B	9.03	49.0 E	4.82	0.940	0.442	1.18	0.199	0.151	16.9 E	6.63	19.6	13
14	3.30B	8.97	35.0 E	4.26	0.898	4.07	0.882	0.183	0.140	11.4 E	5.73	19.8	14
15	3.00B	6.00B	23.0 E	5.46	0.846	5.68	0.891	0.181	1.33	8.55E	7.46	11.4	15
16	4.20B	5.00B	14.2 E	5.97	0.886	2.33	0.779	0.176	1.96	6.32E	8.34	8.68	16
17	20.0 B	4.40B	11.2 E	6.60	8.08	1.36	0.634	0.157	1.30	11.0 E	7.08	7.47	17
18	58.0 B	3.80B	8.20E	6.84	22.7	0.999	0.515	0.126	0.750A	22.5 E	5.32	12.8	18
19	57.5 B	3.40B	6.20E	5.31	14.8	0.838	0.460	0.134	0.547	25.7 A	4.38	21.3	19
20	48.7 B	3.20B	4.80E	4.87	12.9	0.700	0.552	0.129	0.487	24.4	3.77	16.3	20
21	35.1 B	3.00B	3.90E	7.12	22.4	0.622	1.19	0.137	0.414	17.6	3.57	10.7	21
22	23.8 B	4.55B	4.50E	7.12	15.7	0.599	0.866	0.137	0.398	9.70	13.4	16.1	22
23	15.5 B	17.1 B	20.0 E	5.56	8.38	0.819	0.652	0.127	0.480	5.89	22.1	21.0	23
24	10.1	17.5 B	17.5 E	4.26	5.42	1.14	0.512	0.112	0.767	4.65	17.9	15.7 B	24
25	13.9	9.00B	8.60E	3.38	3.83	1.15	0.390	0.098	0.837	3.99	16.1	10.7 B	25
26	24.8	6.50B	6.00E	2.80	3.00	0.890	0.302	0.085	0.734	3.43	13.1	8.30B	26
27	22.1	5.20B	4.50E	2.61	2.54	0.735	0.252	0.093	0.624	2.86	21.5	7.01B	27
28	26.0	4.40B	3.80E	2.29	2.05	0.650	0.294	0.430	0.502	2.73	40.4	6.36B	28
29	23.7		3.30E	2.01	1.72	1.00	0.228	0.446	0.441	2.98	37.5	36.6 B	29
30	15.6		3.50E	1.81	1.50	1.96	0.336	0.309	1.56	2.95	25.7	72.1	30
31	8.83		3.60E		1.24		2.74	0.242		2.75		63.6	31
TOTAL	548.43	279.26	331.15	142.85	147.590	35.364	50.505	8.825	15.822	365.30	445.44	484.58	TOTAL
MEAN	17.7	9.97	10.7	4.76	4.76	1.18	1.63	0.285	0.527	11.8	14.8	15.6	MEAN
MAX	58.0	38.7	49.0	8.40	22.7	5.68	14.3	1.98	1.96	42.7	40.7	72.1	MAX
MIN	2.60	3.00	1.90	1.81	0.846	0.442	0.228	0.085	0.097	1.86	1.85	5.73	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.82
MAXIMUM DAILY, 72.1 ON DEC 30
MINIMUM DAILY, 0.085 ON AUG 26
MAXIMUM INSTANTANEOUS,
85.1 AT 20:56 EST ON DEC 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 41 04 N
LONG 081 32 38 W
DRAINAGE AREA, 376 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	47 400	JUL	4 360
FEB	24 100	AUG	762
MAR	28 600	SEP	1 370
APR	12 300	OCT	31 600
MAY	12 800	NOV	38 500
JUN	3 060	DEC	41 900

TOTAL DISCHARGE, 247 000 dam³

SOUTH NATION RIVER AT CASSELMAN - STATION NO. 02LB013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	24.8	---	---	---	---	---	50.0	11.0	21.1	1
2	---	---	---	37.0	---	---	---	---	---	37.9	10.7	18.4	2
3	---	---	---	67.2	---	---	---	---	---	---	10.7	15.7	3
4	---	---	---	321	---	---	---	---	---	---	10.2	15.5	4
5	---	---	---	296	---	---	---	---	---	---	9.92	39.9	5
6	---	---	---	186	---	---	---	---	---	---	19.7	52.2	6
7	---	---	---	111	---	---	---	---	---	---	40.6	49.6	7
8	---	---	---	71.3	---	---	---	---	---	---	35.8	40.3	8
9	---	---	---	55.0	---	---	---	---	---	---	28.6	37.1	9
10	---	---	---	61.7	---	---	---	---	---	32.3	24.8	41.4	10
11	---	---	---	110	35.2	---	---	---	---	37.9	30.8	36.0	11
12	---	---	109	117	38.9	---	---	---	---	39.0	30.4	31.0	12
13	---	---	201	96.6	29.5	---	---	---	---	67.0	23.1	27.6	13
14	---	---	216	108	---	---	---	---	---	99.2	20.5	22.9	14
15	---	---	186	147	---	---	---	---	---	65.5	17.2	20.2	15
16	---	---	223	120	---	---	---	---	---	46.4	15.0	---	16
17	---	---	305	92.0	26.9	---	---	---	---	32.9	24.6	---	17
18	---	---	314	73.2	64.1	---	---	---	---	---	30.0	---	18
19	---	---	185	57.6	62.1	---	---	---	---	39.6	23.2	---	19
20	---	---	122	49.9	46.1	---	---	---	---	35.9	19.0	31.8	20
21	---	---	87.4	75.4	62.1	---	---	---	---	---	18.2	---	21
22	---	---	72.1	82.4	65.3	---	---	---	---	---	17.1	67.9	22
23	---	---	77.6	65.8	47.2	---	---	---	---	---	24.4	282	23
24	---	---	67.1	55.2	35.2	---	---	---	---	---	32.8	257	24
25	---	---	49.7	47.5	---	---	---	---	---	---	30.8	132	25
26	---	---	39.6	43.6	---	---	---	---	---	---	28.0	96.6	26
27	---	---	29.6	42.4	---	---	---	---	---	---	23.1	64.1	27
28	---	---	20.5	39.1	---	---	---	---	---	---	33.6	54.5	28
29	---	---	20.1	31.3	---	---	---	---	---	---	32.3	54.6	29
30	---		18.2	26.4	---	---	---	---	27.0	---	25.1	276	30
31	---		18.7		---		---	---		---		204	31
TOTAL	---	---	---	2 711.4	---	---	---	---	---	---	701.22	---	TOTAL
MEAN	---	---	---	90.4	---	---	---	---	---	---	23.4	---	MEAN
MAX	---	---	---	321	---	---	---	---	---	---	40.6	---	MAX
MIN	---	---	---	24.8	---	---	---	---	---	---	9.92	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 19 01 N
LONG 075 05 32 W
DRAINAGE AREA, 2 410 km²

REGULATED

MAXIMUM INSTANTANEOUS,
424 AT 18:11 EST ON APR 04

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	---
APR	234 000	OCT	---
MAY	---	NOV	60 600
JUN	---	DEC	---

SOUTH NATION RIVER AT CHESTERVILLE - STATION NO. 02LB009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	3.28B	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	134 B	---	---	---	---	---	---	---	---	---	17
18	---	---	161 B	---	---	---	---	---	---	---	---	---	18
19	---	---	117	---	---	---	---	---	---	---	---	---	19
20	---	---	78.8	---	---	---	---	---	---	---	---	---	20
21	---	---	51.7	---	---	---	---	---	---	---	---	---	21
22	---	---	41.6	---	---	---	---	---	---	---	---	---	22
23	---	---	41.4	---	---	---	---	---	---	---	---	---	23
24	---	---	36.9	---	---	---	---	---	---	---	---	---	24
25	---	---	28.1	---	---	---	---	---	---	---	---	---	25
26	---	---	22.2	---	---	---	---	---	---	---	---	---	26
27	---	---	18.0 A	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---	---	---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 06 03 N
LONG 075 13 36 W
DRAINAGE AREA, 1 050 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	---
APR	---	OCT	---
MAY	---	NOV	---
JUN	---	DEC	---

REMARKS - SEASONAL OPERATION (FRESHET) ONLY

SOUTH NATION RIVER AT SPENCERVILLE - STATION NO. 02LB007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.364	3.15	4.11	3.47	3.88	1.24	1.80	0.416A	0.055	0.232	1.31	1.63	1
2	0.375	3.17	3.39	4.57	3.29	1.03	1.52	0.386E	0.050	0.306	1.27	1.46	2
3	0.382	2.95	3.05	6.29	2.74	0.972	1.29	0.356E	0.048	0.315	1.17	1.40	3
4	0.540	2.81	2.66	21.3	2.24	0.918	1.15	0.338E	0.043	0.333	1.14	2.41	4
5	0.844	2.70	2.32	27.0	2.44	0.874	1.04	0.320E	0.036	0.364	1.12	5.03	5
6	1.08	2.55	2.03	22.1	3.37	0.852	0.887	0.302E	0.033	0.368	1.74	6.80	6
7	0.970	2.37	1.65	14.8	4.03	0.782	0.787	0.278E	0.036	0.305	2.77	6.97	7
8	1.02	2.21	1.39	10.4	4.64	0.729	0.722	0.242E	0.031	0.259	3.20	6.44	8
9	1.10	2.95	1.31	8.01	5.19	0.722	0.663	0.242E	0.030	0.283	3.13	6.05	9
10	1.25	6.54B	1.31	7.93	5.62	0.913	0.592	0.242E	0.032	0.395	2.96	5.50B	10
11	1.21	7.24B	2.07	11.7	6.78	1.37	0.516	0.236E	0.030	0.586	3.02	4.78B	11
12	1.16	7.63B	4.38	13.5	6.90	1.56	0.441	0.236A	0.028	0.870	2.93	4.11B	12
13	1.13	5.94	10.5 B	12.3	5.83	1.66	0.404	0.314	0.023	1.53	2.55	3.59B	13
14	1.11	7.63B	15.6 B	11.1	5.22	1.89	0.353	0.335	0.020	2.47	2.29	3.14B	14
15	1.13	7.31B	19.8 B	10.6	4.72	1.73	0.341	0.274	0.019	2.83	2.17	2.68B	15
16	1.06	5.68	26.0 B	10.3	4.35	1.51	0.373	0.223	0.017	2.46	2.07	2.33	16
17	1.51	4.38B	31.5	9.03	4.38	1.29	0.387	0.194	0.016	2.15	2.08	2.01	17
18	5.40	3.80B	36.7	8.02	6.58	1.11	0.389	0.168	0.014	1.89	1.94	1.96	18
19	6.48	3.29B	28.7	6.84	7.10	0.968	0.335	0.213	0.012	2.16	1.88	3.20	19
20	6.40	2.85B	18.9	5.92	6.34	0.897	0.386	0.258	0.014A	2.43	1.80	3.76B	20
21	4.29	2.43B	13.6	7.37	7.50	0.966	0.385	0.380	0.016E	2.33	1.68	3.43B	21
22	2.99	2.31	12.1	9.32	8.48	1.10	0.382	0.467A	0.017E	2.05	1.63	5.55	22
23	2.32	3.86	11.2	8.30	7.47	1.16	0.634	0.416A	0.018E	1.91	1.70	17.5	23
24	2.15	5.89	10.1	6.82	5.88	1.51	1.03	0.322	0.019E	1.83	1.85	28.3	24
25	2.82	8.29B	8.30	5.87	4.67	2.52	1.35	0.241	0.018E	1.66	1.92	25.9	25
26	4.78 B	9.26B	6.59	5.74	3.80	3.96	1.38	0.190A	0.019A	1.54	1.90	18.0	26
27	5.20 B	9.64B	5.30	5.91	3.13	3.83	1.08	0.146A	0.020	1.45	1.86	11.2 B	27
28	5.35 B	5.11	4.41	5.90	2.63	3.13	0.817	0.133	0.018	1.49	1.91	7.59	28
29	4.90 B		3.95	5.13	2.17	2.41	0.628	0.110	0.014	1.43	1.84	6.66	29
30	3.89		3.53	4.37	1.82	2.10	0.501	0.093	0.093	1.36	1.69	18.5	30
31	3.35		3.28		1.51		0.498	0.075		1.36		27.3	31
TOTAL	76.555	130.94	301.73	291.91	144.51	45.703	23.061	8.166	0.839	40.946	60.52	245.27	TOTAL
MEAN	2.47	4.68	9.73	9.73	4.66	1.52	0.744	0.263	0.028	1.32	2.02	7.91	MEAN
MAX	6.48	9.26	36.7	27.0	8.48	3.96	1.80	0.467	0.093	2.83	3.20	28.3	MAX
MIN	0.364	2.21	1.31	3.47	1.51	0.722	0.335	0.075	0.012	0.232	1.12	1.40	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.75
MAXIMUM DAILY, 36.7 ON MAR 18
MINIMUM DAILY, 0.012 ON SEP 19
MAXIMUM INSTANTANEOUS,
37.9 AT 08:34 EST ON MAR 18

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 50 32 N
LONG 075 32 38 W
DRAINAGE AREA, 246 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	6 610	JUL	1 990
FEB	11 300	AUG	706
MAR	26 100	SEP	72.5
APR	25 200	OCT	3 540
MAY	12 500	NOV	5 230
JUN	3 950	DEC	21 200

TOTAL DISCHARGE, 118 000 dam³

SOUTH NATION RIVER NEAR PLANTAGENET SPRINGS - STATION NO. 02LB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.89B	43.0B	33.0B	48.0	38.8	13.6	9.97	5.43	5.21	92.4	21.2	42.1	1
2	2.89B	36.3B	27.6B	69.0	33.8	11.2	9.00	4.99	3.72	85.8	19.1	34.4	2
3	2.88B	33.0B	24.2B	102	29.4	9.93	7.93	4.38	3.30	57.5	16.9	28.7	3
4	2.88B	29.7B	22.0B	358	26.1	9.93	6.69	2.54	2.79	34.3	17.5	22.5	4
5	4.00B	26.8B	20.0B	492	23.8	9.09	5.24	2.44	3.07	48.4	15.8	34.9	5
6	7.25B	24.0B	18.0B	420	25.4	7.64	4.79	7.85	2.16	46.7	30.0	68.0	6
7	9.50B	21.8B	16.0B	303	28.0	7.55	4.54	13.1	1.37	31.7	69.1	66.1	7
8	11.4 B	20.0B	14.4B	194	27.5	8.14	3.98	10.7	1.56	26.7	69.1	53.3	8
9	12.0 B	20.7B	14.6B	120	26.7	6.18	4.22	8.22	1.61	19.2	48.5	45.1	9
10	11.6 B	120 B	13.6B	101	27.5	6.39	4.39	6.48	1.63	43.9	38.5	42.8	10
11	10.9 B	160 B	14.6B	157	34.6	6.86	4.01	3.98	2.20	66.3	41.5	43.0B	11
12	10.4 B	115 B	16.0B	189	50.1	6.95	2.32	2.90	2.76	67.0	44.7	41.2B	12
13	10.1 B	84.0B	212 B	167	44.0	6.36	3.52	3.56	2.63	94.5	34.2	38.0	13
14	9.77B	97.0B	215 B	176	36.5	6.97	3.51	8.11	2.12	187	29.6	35.1	14
15	9.30B	132 B	328 B	244	31.3	5.70	2.44	8.50	2.02	146	28.4	30.5	15
16	9.25B	93.2B	329 B	239	27.4	4.03	4.12	6.81	1.43	93.7	28.0	27.5	16
17	9.22B	59.0B	372 B	180	28.8	2.07	4.81	4.86	1.38	61.8	48.5	24.1	17
18	21.4 B	35.0B	421 B	146	29.2	1.86	4.42	5.34	1.73	44.2	63.8	22.0	18
19	150 B	28.1B	436 B	105	101	1.64	3.53	11.8	1.70	61.5	46.6	28.4	19
20	120 B	24.3B	420 B	84.1	79.3	2.57	7.93	12.1	2.13	68.6	35.4	46.1	20
21	85.0 B	22.0B	394 B	108	76.5	6.33	17.7	9.17	1.93	49.3	30.7	39.3	21
22	70.0 B	21.5B	306	143	102	8.58	14.0	7.78	1.73	36.6	28.1	45.0	22
23	56.0 B	35.0B	238	118	77.0	8.09	18.6	6.42	2.02	31.9	49.1	201 B	23
24	45.0 B	101 B	188	92.4	55.5	9.11	25.2	5.29	2.30	27.7	71.0	366	24
25	35.0 B	111 B	127	76.9	40.8	11.9	22.0	4.61	3.23	25.4	67.5	327	25
26	60.0 B	88.0B	91.9	72.6	31.7	13.3	17.2	2.94	3.30	23.1	56.2	256	26
27	134 B	68.0B	66.6	69.1	26.8	13.5	14.0 A	2.14	2.47	21.9	46.5	199	27
28	108 B	52.0B	47.0	65.9	23.0	13.7	10.6 E	1.84	2.82	21.2	80.2	154	28
29	87.9 B		40.3	53.6	19.3	12.6	4.91E	2.45	2.91	21.4	84.9	130	29
30	72.5 B		36.7	43.4	17.3	11.1	3.93A	4.30	14.8	21.9	62.3	235	30
31	52.6 B		35.1		15.9		4.94	5.08		21.8		373	31
TOTAL	1 233.71	1 701.4	4 701.6	4 737.0	1 285.0	242.87	254.46	186.31	84.03	1 674.4	1 324.9	3 099.1	TOTAL
MEAN	39.8	60.8	152	158	41.5	8.10	8.21	6.01	2.80	54.0	44.2	100	MEAN
MAX	150	160	436	492	102	13.7	25.2	13.3	14.8	187	84.7	373	MAX
MIN	2.88	20.0	13.6	43.4	15.9	1.64	2.32	1.84	1.37	19.2	15.8	22.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 56.2
MAXIMUM DAILY, 492 ON APR 05
MINIMUM DAILY, 1.37 ON SEP 07
MAXIMUM INSTANTANEOUS,
504 AT 06:42 EST ON APR 05

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 30 23 N
LONG 074 57 20 W
DRAINAGE AREA, 3 810 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	107 000	JUL	22 000
FEB	147 000	AUG	16 100
MAR	406 000	SEP	7 260
APR	409 000	OCT	145 000
MAY	111 000	NOV	114 000
JUN	21 000	DEC	268 000

TOTAL DISCHARGE, 1 770 000 dam³

SOUTH PARKHILL CREEK NEAR PARKHILL - STATION NO. 02FF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.250B	0.283	0.294	0.439	0.092	0.037	0.032	0.104	0.070E	1.20 E	0.125	0.262	1
2	0.280B	0.373	0.314	0.616	0.071	0.031	0.017	0.043	0.050E	0.600E	0.117	0.221	2
3	0.250B	0.309	0.461	1.09	0.061	0.061	0.008	0.021	0.040E	0.288A	0.117	0.242	3
4	0.900B	0.304	0.291	0.839	0.068	0.084	0.005	0.011	0.030E	0.728	0.111	1.10	4
5	2.20 B	0.276	0.223	0.509	0.369	0.056	0.003	0.011	0.030E	0.558	5.51	0.540	5
6	1.30 B	0.274	0.176	0.455	0.242	0.042	0.003	0.012	0.040E	0.312	8.23	0.399	6
7	0.900B	0.302	0.133	0.350	0.177	0.031	0.002	0.007	0.460E	0.238	1.17	0.354	7
8	0.600B	2.39	0.150	0.285	0.119	0.031	0.002	0.005	0.270E	0.217	0.733	0.336	8
9	0.490B	5.16	1.24	0.242	0.091	0.044	0.617	0.003	0.120E	11.9	0.591	0.411	9
10	0.420B	1.69	3.29	0.628	0.085	0.027	0.193	0.002	0.080E	6.80	0.670	0.580	10
11	0.380B	0.638	4.39	1.63	0.072	0.022	0.068	0.001	0.060E	5.66	0.498	0.385	11
12	0.350B	0.397	5.43	0.556	0.054	0.015	0.039	0.044	0.050E	1.21	0.379	0.302	12
13	0.330B	0.383	3.68	0.379	0.190	0.011	0.019	0.267	0.040E	1.21	0.317	0.323	13
14	0.310B	0.398	1.24	0.380	0.245	0.141	0.015	0.159	0.130E	0.667	0.271	0.232	14
15	0.300B	0.291	0.703	0.612	0.179	0.212	0.036	0.048	8.00 E	0.486	0.247	0.218	15
16	0.310B	0.300	0.539	0.442	0.823	0.084	0.019	0.188	2.67 E	0.353	0.236	0.259	16
17	8.31 B	0.256B	0.435	0.546	3.44	0.054	0.008	0.088	0.920E	0.316	0.222	0.259	17
18	10.1	0.230B	0.318	0.446	1.23	0.039	0.006	0.038	0.450E	2.82	0.197	0.589	18
19	2.60	0.208B	0.264	0.326	0.493	0.025	0.054	1.90	0.310E	0.996	0.189	1.01	19
20	0.899	0.198B	0.237	0.320	0.516	0.020	0.733	1.58	0.310E	0.540	0.158	0.456	20
21	0.604	0.200B	0.222	0.847	0.589	0.020	0.312	0.435	0.230E	0.372	0.143	0.386	21
22	0.471	5.45	0.297	0.534	0.359	0.012	0.130	0.239	0.230E	0.332	0.363	0.892	22
23	0.381	7.35	1.44	0.370	0.260	0.029	0.141	0.153	0.220E	0.297	0.392	0.783	23
24	1.11	2.10	0.514	0.290	0.216	0.157	0.066	0.087	0.550E	0.250	0.384	0.616	24
25	1.81	0.657	0.350	0.249	0.169	0.103	0.037	0.063	1.30 E	0.227	0.280	0.428B	25
26	2.10	0.691	0.283	0.221	0.129	0.050	0.018	0.045	0.620E	0.221	0.229	0.308B	26
27	0.747	0.551	0.236	0.195	0.095	0.042	0.008	0.039A	0.400E	0.200	0.396	0.265B	27
28	1.08	0.347	0.218	0.146	0.074	0.036	0.007	0.090E	0.310E	0.181	0.718	0.237B	28
29	0.546		0.201	0.129	0.064	0.066	0.006	0.480E	0.280E	0.149	0.520	7.77	29
30	0.366		0.346	0.098	0.055	0.046	0.229	0.220E	0.250E	0.155	0.320	8.83	30
31	0.294		0.406		0.042		0.402	0.110E		0.149		1.89	31
TOTAL	40.988	32.006	28.321	14.169	10.669	1.628	3.235	6.493	18.220	39.632	23.833	30.883	TOTAL
MEAN	1.32	1.14	0.914	0.472	0.344	0.054	0.104	0.210	0.607	1.28	0.794	0.996	MEAN
MAX	10.1	7.35	5.43	1.63	3.44	0.212	0.733	1.90	8.00	11.9	8.23	8.83	MAX
MIN	0.250	0.198	0.133	0.098	0.042	0.011	0.002	0.001	0.030	0.149	0.111	0.218	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.685
MAXIMUM DAILY, 11.9 ON OCT 09
MINIMUM DAILY, 0.001 ON AUG 11
MAXIMUM INSTANTANEOUS,
29.0 AT 11:27 EST ON OCT 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 09 39 N
LONG 081 43 56 W
DRAINAGE AREA, 41.4 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 540	JUL	280
FEB	2 770	AUG	561
MAR	2 450	SEP	1 570
APR	1 220	OCT	3 420
MAY	922	NOV	2 060
JUN	141	DEC	2 670

TOTAL DISCHARGE, 21 600 dam³

SOUTH RAISIN RIVER DIVERSION AT LONG SAULT - STATION NO. 02MC009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	0.099	---	---	---	---	1
2	---	---	---	---	---	---	---	0.100	---	---	---	---	2
3	---	---	---	---	---	---	---	0.100	---	---	---	---	3
4	---	---	---	---	---	---	---	0.099	---	---	---	---	4
5	---	---	---	---	---	---	---	0.098A	---	---	---	---	5
6	---	---	---	---	---	---	---	0.091E	---	---	---	---	6
7	---	---	---	---	---	---	---	0.081A	---	---	---	---	7
8	---	---	---	---	---	---	---	0.080	---	---	---	---	8
9	---	---	---	---	---	---	---	0.080	---	---	---	---	9
10	---	---	---	---	---	---	---	0.082	---	---	---	---	10
11	---	---	---	---	---	---	---	0.084	---	---	---	---	11
12	---	---	---	---	---	---	---	0.081	---	---	---	---	12
13	---	---	---	---	---	---	0.083	0.080	---	---	---	---	13
14	---	---	---	---	---	---	0.147	0.032	---	---	---	---	14
15	---	---	---	---	---	---	0.145	---	---	---	---	---	15
16	---	---	---	---	---	---	0.151	---	---	---	---	---	16
17	---	---	---	---	---	---	0.149	---	---	---	---	---	17
18	---	---	---	---	---	---	0.149	---	---	---	---	---	18
19	---	---	---	---	---	---	0.140	---	---	---	---	---	19
20	---	---	---	---	---	---	0.137	---	---	---	---	---	20
21	---	---	---	---	---	---	0.134	---	---	---	---	---	21
22	---	---	---	---	---	---	0.127	---	---	---	---	---	22
23	---	---	---	---	---	---	0.113	---	---	---	---	---	23
24	---	---	---	---	---	---	0.114	---	---	---	---	---	24
25	---	---	---	---	---	---	0.115	---	---	---	---	---	25
26	---	---	---	---	---	---	0.113	---	---	---	---	---	26
27	---	---	---	---	---	---	0.109	---	---	---	---	---	27
28	---	---	---	---	---	---	0.105	---	---	---	---	---	28
29	---	---	---	---	---	---	0.104	---	---	---	---	---	29
30	---		---	---	---	---	0.103	---	---	---	---	---	30
31	---		---		---		0.103	---		---		---	31
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM INSTANTANEOUS,
0.157 AT 17:52 EST ON JUL 18

SUMMARY FOR THE MONTHS MAY TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 01 46 N
LONG 074 53 20 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	---
APR	---	OCT	---
MAY	---	NOV	---
JUN	---	DEC	---

SOUTH RAISIN RIVER NEAR CORNWALL - STATION NO. 02MC030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.848	---	---	---	---	---	---	---	---	1
2	---	---	---	1.30	---	---	---	---	---	---	---	---	2
3	---	---	---	2.64	---	---	---	---	---	---	---	---	3
4	---	---	---	7.05 E	---	---	---	---	---	---	---	---	4
5	---	---	---	5.25 E	---	---	---	---	---	---	---	---	5
6	---	---	---	2.82	0.743A	---	---	---	---	---	---	---	6
7	---	---	0.075B	1.20	---	---	---	---	---	---	---	---	7
8	---	---	0.070B	0.857	---	---	---	---	---	---	---	---	8
9	---	---	0.082B	0.808	---	---	---	---	---	---	---	---	9
10	---	---	0.120B	1.78	---	---	---	---	---	---	---	---	10
11	---	---	0.230B	2.28	0.919	1.20	---	---	---	---	---	---	11
12	---	---	0.500B	1.56	0.715A	---	---	---	---	---	---	---	12
13	---	---	1.40 B	1.37	---	---	---	---	---	---	---	---	13
14	---	---	2.77 B	2.20	---	---	---	---	---	---	---	---	14
15	---	---	3.75 B	3.66 E	---	---	---	---	---	---	---	---	15
16	---	---	5.05 B	2.13	---	---	---	---	---	---	---	---	16
17	---	---	6.21 B	1.47	0.745A	---	---	---	---	---	---	---	17
18	---	---	4.77 E	1.04	1.71	---	---	---	---	---	---	---	18
19	---	---	1.94	0.797	0.751A	---	---	---	---	---	---	---	19
20	---	---	1.38	0.781	---	---	---	---	---	---	---	---	20
21	---	---	1.05	2.09	1.92	---	---	---	---	---	---	---	21
22	---	---	1.00	1.27	0.986	---	---	---	---	---	---	---	22
23	---	---	1.37	0.897	---	---	---	---	---	---	---	---	23
24	---	---	0.959B	0.753	---	---	---	---	---	---	---	---	24
25	---	---	0.722B	0.704	---	---	---	---	---	---	---	---	25
26	---	---	0.500B	0.796	---	---	---	---	---	---	---	---	26
27	---	---	0.375B	0.706	---	---	---	---	---	---	---	---	27
28	---	---	0.320B	---	---	---	---	---	---	---	---	---	28
29	---	---	0.280B	---	---	---	---	---	---	---	---	---	29
30	---		0.360B	---	---	---	---	---	---	---	---	---	30
31	---		0.540B		---		---	---		---		---	31
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

REMARKS - SEASONAL OPERATION (MAR-MAY APPROX.)

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 03 05 N
LONG 074 46 25 W
DRAINAGE AREA, 25.8 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	---
APR	---	OCT	---
MAY	---	NOV	---
JUN	---	DEC	---

SOUTH RIVER AT SOUTH RIVER - STATION NO. 02DD009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.55	4.23	2.85B	7.69	18.2	4.60	2.85	1.67	1.07 E	3.25	5.42	25.1 E	1
2	2.49	4.10B	3.70B	7.66	15.1	3.71	2.80	1.62	1.05 E	3.69	5.20	23.9 E	2
3	2.41	4.05B	4.50B	8.15	11.9	4.14	2.69	1.54	1.02 E	4.89	5.02	22.6 E	3
4	2.49	3.95B	3.80B	8.36	9.63	4.30	2.60	1.48	1.01	6.69	5.01	20.9 E	4
5	2.62	3.85B	3.30B	8.47	8.63	4.41	2.49	1.62	1.01 E	7.03	5.14	13.2 E	5
6	2.80	3.85	3.08B	8.20	7.82	4.37	2.39	1.66	1.01 E	6.92	5.69	12.2 E	6
7	2.93	3.68	2.80B	7.90	7.30	4.24	2.31	1.64	0.984E	6.67	6.54	10.7 E	7
8	2.93	3.54	2.58B	7.36	6.02	4.20	2.26	1.65	0.975E	6.76	7.91	9.80E	8
9	2.92	3.53	2.50B	6.96	4.10	4.22	2.36	1.59	0.970E	7.28	6.73	9.10E	9
10	2.96	3.80	2.35B	6.95	5.66	4.55	1.79	1.53	0.943	9.35	5.86	9.00E	10
11	2.94	4.07	3.60B	6.95	6.01	4.63	0.837	1.46	0.941	12.0	5.61	9.74A	11
12	2.94	4.15	6.07	6.79	5.61	4.39	0.904	1.43	0.939	11.8	5.44	9.41	12
13	2.94	4.10	7.32	6.34	6.20	4.06	0.978	1.39	0.946	11.0	5.27	8.63	13
14	2.84	4.08	7.96	5.86	6.34	3.65	1.08	1.34	1.28	10.0	5.08	7.56	14
15	2.70	3.94	9.58	5.82	6.34	3.31	1.18	1.33	6.15	9.10	4.98	6.38	15
16	2.68	3.88	14.9	6.02	6.44	2.99	1.31	1.31	8.03	8.35	5.37	6.12	16
17	2.83	3.90	23.2	6.92	7.37	2.78	1.44	1.26	7.25	8.01	7.19	5.98B	17
18	3.44	3.70B	27.1	7.54	11.4	2.78	1.49	1.34	6.84	8.47	8.31	5.85B	18
19	3.80	3.60B	28.5	6.64	15.3	2.85	1.52	1.44	6.68	9.46	8.75A	5.70B	19
20	4.11	3.50B	27.6	6.87	18.0	2.84	1.71	1.49	5.24	10.1	9.30E	5.60B	20
21	4.39	3.40B	23.5	9.70	17.9	2.81	1.88	1.50	4.37	10.0	9.05E	5.55	21
22	4.48	3.33B	18.4	12.6	16.0	2.75	1.92	1.44	3.90	9.67	9.45E	5.75	22
23	5.71	3.28B	15.9	16.0	13.9	2.87	1.75	1.40	3.49	9.09	9.90E	6.43	23
24	7.29	3.22B	15.4	20.2	12.3	3.08	1.55	1.33	3.26	8.44	10.4 E	6.81	24
25	5.86	3.15B	13.8	25.0	11.2	3.11	2.12	1.27	3.23	7.82	10.9 E	6.94	25
26	5.34	3.09B	12.6	28.7	10.1	3.06	1.95	1.22	2.84	7.31	11.2 E	6.80	26
27	4.94	3.01B	11.7	28.6	9.27	3.00	1.82	1.15	2.12	6.87	15.8 E	6.46	27
28	4.84	2.97B	10.2	26.8	8.60	2.87	1.70	1.13	2.51	6.51	16.9 E	6.17	28
29	4.67		9.44	24.6	7.93	2.76	1.60	1.13	2.83	6.37	17.2 E	6.12	29
30	4.48		8.79	21.5	7.17	2.78	1.59	1.12	2.99	6.13	27.0 E	5.74	30
31	4.32		8.15		6.66		1.69	1.10		5.74		5.37	31
TOTAL	114.64	102.95	335.38	357.15	304.60	106.11	57.729	43.58	85.878	244.77	261.62	295.21	TOTAL
MEAN	3.70	3.68	10.8	11.9	9.83	3.54	1.86	1.41	2.86	7.90	8.72	9.52	MEAN
MAX	7.29	4.23	28.5	28.7	18.2	4.63	2.85	1.67	8.03	12.0	27.0	25.1	MAX
MIN	2.41	2.97	2.50	5.82	4.10	2.75	0.837	1.10	0.939	3.25	4.98	5.37	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.33
MAXIMUM DAILY, 28.7 ON APR 26
MINIMUM DAILY, 0.837 ON JUL 11
MAXIMUM INSTANTANEOUS, 29.5 AT 06:46 EST ON APR 27

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 50 54 N
LONG 079 22 46 W
DRAINAGE AREA, 316 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 900	JUL	4 990
FEB	8 890	AUG	3 770
MAR	29 000	SEP	7 420
APR	30 900	OCT	21 100
MAY	26 300	NOV	22 600
JUN	9 170	DEC	25 500

TOTAL DISCHARGE, 200 000 dam³

SOUTH SAUGEEN RIVER NEAR HANOVER - STATION NO. 02FC012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.58B	11.2	6.95B	12.1	3.41	2.49	3.79	2.36	0.761	4.64	4.10	24.1	1
2	3.00B	9.95B	6.30B	14.4	3.13	2.45	3.34	2.00	0.854	4.24	3.90	16.3	2
3	5.95B	8.90B	5.70B	20.9	2.92	2.99	2.64	1.70	1.30	3.58	3.67	12.3	3
4	7.95B	8.10B	5.20B	21.8	2.82	5.31	2.32	1.01	1.12	3.76	3.56	12.2	4
5	10.5 B	7.60B	4.65B	17.7	3.24	5.64	2.00	0.505	1.30	8.09	5.45	11.9	5
6	12.7 B	7.20B	4.30B	13.3	3.48	4.60	1.91	1.29	1.10	7.92	34.8	12.1	6
7	10.1 B	6.76	4.07B	10.3	3.49	3.85	1.76	1.21	1.07	6.04	45.0	10.9 B	7
8	8.45B	6.51	3.88B	8.49	3.29	3.10	0.738	1.14	0.663	5.02	37.9	10.1	8
9	7.25B	12.3	4.25B	7.38	3.09	2.74	1.78	0.926	0.918	6.40	24.9	8.78	9
10	6.65B	26.8 B	5.53	7.23	2.99	2.29	1.95	0.910	1.10	33.0	17.4	9.45	10
11	6.40B	24.0 B	12.1	9.60	3.41	2.43	1.84	0.630	1.12	35.6	14.3	8.60	11
12	5.80B	21.4 B	71.0 B	11.1	3.21	2.01	1.27	0.474	0.948	31.2	12.1	8.34	12
13	5.35B	19.3	175 B	10.1	3.16	1.92	0.867	1.49	0.976	23.3	9.45B	11.7	13
14	5.05B	14.6 B	174	8.98	3.09	1.99	1.04	1.79	1.08	17.3	9.74	13.4 B	14
15	4.75B	11.2 B	104	10.4	3.00	2.14	0.665	1.33	0.742	12.2	11.0	12.4 B	15
16	4.50B	9.20B	62.3	12.8	2.89	2.21	1.06	1.12	1.12	9.96	28.1	11.0 B	16
17	12.4 B	8.00B	43.7	14.0	5.11	2.05	1.21	1.39	1.67	10.4	31.5	9.33	17
18	12.0 B	7.25B	32.3	14.4	9.45	2.24	1.13	0.984	1.60	18.6	22.7	9.48	18
19	25.0 B	6.60B	23.1	11.7	10.9	2.24	0.989	0.809	1.10	26.9	14.2	13.6	19
20	19.9 B	6.30B	16.8	9.98	16.8	1.90	1.38	1.22	1.04	22.4	10.2	10.7 B	20
21	16.6 B	6.00B	13.2	10.9	33.3	1.90	0.995	1.12	1.09	16.1	8.28	9.25B	21
22	14.1 B	6.40B	12.5	10.9	31.1	1.87	0.884	1.00	1.25	11.2	13.0	15.8	22
23	12.6 B	14.8	28.0 B	9.36	18.6	1.94	1.68	0.929	1.15	8.33	33.4	30.0	23
24	11.4 B	17.5 B	28.8 B	7.89	10.8	1.88	1.17	0.945	1.55	6.76	26.4	25.5 B	24
25	13.6 B	11.8 B	22.0 B	6.76	7.49	4.32	1.16	0.647	1.34	5.93	25.5	14.0 B	25
26	18.7 B	10.5 B	17.4	5.92	5.93	3.27	0.948	0.415	1.54	5.24	18.7	10.7 B	26
27	17.2 B	9.95B	13.4	5.27	4.81	2.91	0.897	0.733	1.64	4.75	22.1	9.00B	27
28	19.3 B	8.20B	10.7	4.69	4.47	2.62	0.741	1.06	1.70	4.65	60.5	8.20B	28
29	17.3 B		9.56	4.21	4.19	2.49	0.607	1.46	0.755	4.76	53.2	20.0 B	29
30	13.5 B		9.31	3.85	3.47	4.15	1.73	1.39	1.96	4.56	37.9	83.0 B	30
31	10.1 B		10.4		2.94		3.09	1.38		4.38		76.2	31
TOTAL	361.68	318.32	940.40	316.11	219.98	85.94	47.571	35.367	35.557	369.21	639.05	540.33	TOTAL
MEAN	11.7	11.4	30.3	10.5	7.10	2.86	1.53	1.14	1.19	11.9	21.3	17.4	MEAN
MAX	32.0	26.8	175	21.8	33.3	5.64	3.79	2.36	1.96	35.6	53.2	83.0	MAX
MIN	3.00	6.00	3.88	3.85	2.82	1.87	0.607	0.415	0.663	3.58	3.56	8.20	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.7
MAXIMUM DAILY, 175B ON MAR 13
MINIMUM DAILY, 0.415 ON AUG 26
MAXIMUM INSTANTANEOUS,
215 AT 17:02 EST ON MAR 13

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 05 55 N
LONG 080 59 09 W
DRAINAGE AREA, 635 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	31 200	JUL	4 110
FEB	27 500	AUG	3 060
MAR	81 300	SEP	3 070
APR	27 300	OCT	31 900
MAY	19 000	NOV	55 200
JUN	7 430	DEC	46 700

TOTAL DISCHARGE, 338 000 dam³

SPANISH RIVER AT ESPANOLA - STATION NO. 02CE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	52.6	87.7	66.8	179	281	215	255	78.0	50.4	29.0	115	310	1
2	64.0	79.6	57.5	174	269	182	324	64.2	43.7	41.6	100	310	2
3	62.7	48.6	37.1	174	245	179	309	63.0	44.2	45.4	82.6	290	3
4	64.0	37.3	31.0	173	222	194	278	73.5	44.3	44.2	99.1	256	4
5	64.8	52.8	37.4	178	188	197	278	64.8	44.3	44.7	87.2	224	5
6	52.0	67.3	46.9	175	167	191	261	59.5	43.2	28.4	114	209	6
7	51.1	71.1	64.7	170	190	169	224	65.3	43.4	25.7	116	121	7
8	63.9	71.3	63.4	171	194	142	223	56.6	31.2	35.1	107	218	8
9	62.2	72.9	65.3	171	192	140	246	58.2	42.8	45.1	92.3	218	9
10	77.3	51.3	48.4	174	195	141	226	60.6	51.1	56.0	90.5	203	10
11	87.3	46.2	43.5	163	199	157	182	56.9	54.0	65.0	87.2	175	11
12	74.7	64.8	51.8	113	228	152	164	48.8	54.9	67.5	109	166	12
13	67.1	73.2	70.5	88.7	215	148	168	51.7	64.2	37.1	107	166	13
14	51.5	71.7	74.4	85.2	243	138	169	61.8	54.3	37.0	98.1	171	14
15	65.0	72.7	89.2	84.8	243	99.0	169	67.3	34.6	69.6	106	148	15
16	71.7	75.2	110	95.3	235	100	178	68.0	27.4	60.5	119	133	16
17	72.6	62.3	118	101	297	86.6	91.5	64.5	27.2	74.5	107	145	17
18	84.5	53.0	159	107	419	81.0	116	47.3	40.1	82.5	92.9	162	18
19	80.0	49.4	193	100	519	100	87.9	39.1	44.2	107	118	151	19
20	53.6	70.4	227	100	561	107	135	55.6	55.2	85.5	144	138	20
21	38.1	73.4	237	90.0	559	111	151	56.9	52.9	89.5	162	129	21
22	55.4	64.7	236	101	549	109	136	78.0	52.9	98.5	213	128	22
23	66.7	53.0	249	105	518	129	108	69.3	24.0	110	238	144	23
24	74.9	37.3	236	164	493	166	87.5	75.4	28.5	122	255	140	24
25	80.9	32.4	237	185	421	156	110	37.7	43.2	130	248	121	25
26	77.3	38.4	229	232	393	168	105	29.8	44.4	127	236	99.9	26
27	47.8	62.1	221	291	385	169	101	38.3	45.0	104	248	112	27
28	42.8	70.1	215	332	347	187	96.2	44.8	53.0	107	277	123	28
29	61.7		206	336	324	212	75.4	43.7	31.8	120	290	80.7	29
30	67.1		192	293	291	222	86.2	53.6	26.8	102	301	93.2	30
31	76.3		186		266		92.2	60.6		103		123	31
TOTAL	2 013.4	1 709.7	4 098.9	4 906.0	9 848	4 547.6	5 232.9	1 787.5	1 277.2	2 294.4	4 569.9	5 207.8	TOTAL
MEAN	64.9	61.1	132	164	318	152	169	57.7	42.6	74.0	152	168	MEAN
MAX	87.3	87.7	249	336	561	222	324	78.0	64.2	130	301	310	MAX
MIN	38.1	32.4	31.0	84.8	167	81.0	75.4	29.8	24.0	25.7	82.6	80.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 130
MAXIMUM DAILY, 561 ON MAY 20
MINIMUM DAILY, 24.0 ON SEP 23

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 46 16 05 N
LONG 081 46 20 W
DRAINAGE AREA, 11 400 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	174 000	JUL	452 000
FEB	148 000	AUG	154 000
MAR	354 000	SEP	110 000
APR	424 000	OCT	198 000
MAY	851 000	NOV	395 000
JUN	393 000	DEC	450 000

TOTAL DISCHARGE, 4 100 000 dam³

DATA CONTRIBUTED BY -
EDDY FOREST PRODUCTS LIMITED

REMARKS - EXTREME HIGH WATER SPILLED FROM ONAPING LAKE INTO UPPER SPANISH RIVER

SPANISH RIVER AT HIGH FALLS - STATION NO. 02CE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	47.7	65.8	53.5	106	187	103	217	65.5	40.1	25.7	79.8	178	1
2	56.4	59.1	42.0	79.6	157	99.8	249	67.5	41.4	39.9	76.9	174	2
3	47.2	29.4	18.9	102	144	119	208	66.2	41.2	26.4	44.1	151	3
4	59.5	28.3	19.1	106	123	139	158	58.6	47.0	44.3	61.9	117	4
5	55.8	45.2	31.0	105	86.2	140	178	56.4	42.8	35.4	84.9	100	5
6	40.5	53.5	48.8	105	85.7	116	157	57.3	40.1	15.8	89.6	102	6
7	45.9	56.6	51.6	103	110	94.2	144	54.9	34.7	15.8	92.1	117	7
8	58.5	56.1	44.3	104	113	80.5	148	47.1	29.3	30.1	78.2	138	8
9	64.4	50.2	48.6	101	119	82.7	179	53.9	47.3	52.7	73.1	139	9
10	72.9	34.7	33.0	109	118	102	157	57.5	51.5	49.1	44.2	122	10
11	64.9	34.2	33.6	85.3	133	104	120	45.0	51.7	71.6	62.4	103	11
12	76.5	49.5	52.4	67.9	163	105	118	38.4	66.1	60.1	86.8	102	12
13	46.6	53.5	56.4	31.3	187	108	144	50.5	58.6	22.2	80.6	112	13
14	47.2	58.9	60.1	31.1	186	88.9	144	61.2	48.3	26.5	84.0	105	14
15	53.8	66.9	69.8	30.4	185	77.2	145	65.2	18.4	55.6	85.9	81.2	15
16	75.4	58.6	61.2	42.5	169	63.7	144	65.9	19.2	60.3	87.3	89.7	16
17	70.6	43.0	62.0	49.6	246	57.0	121	54.7	30.6	55.8	50.7	105	17
18	80.0	38.1	83.3	43.5	347	55.8	81.1	21.0	44.5	67.4	59.4	105	18
19	67.3	45.8	103	53.6	358	68.8	80.2	26.7	53.9	101	82.1	97.8	19
20	29.7	53.9	103	42.2	384	77.1	135	49.6	49.7	48.5	92.9	103	20
21	27.4	54.1	102	31.8	353	83.8	133	60.0	50.8	89.4	103	86.9	21
22	45.4	49.3	106	31.7	276	89.3	124	72.8	18.5	103	138	77.5	22
23	70.8	44.1	110	62.6	241	107	67.5	62.8	15.8	104	153	96.7	23
24	64.0	18.5	111	105	225	141	92.9	48.3	32.5	103	173	104	24
25	64.4	19.9	112	126	196	106	94.4	16.0	40.4	102	150	73.3	25
26	53.3	40.6	114	160	182	105	81.4	17.9	44.5	100	138	73.9	26
27	29.4	55.2	110	236	182	108	82.6	33.6	46.8	60.1	152	89.7	27
28	29.2	58.0	110	273	187	161	68.9	38.2	33.5	73.0	175	83.9	28
29	46.5		108	256	187	141	70.1	47.4	17.8	76.3	174	32.3	29
30	60.0		105	211	168	161	81.7	41.7	17.2	86.9	174	81.1	30
31	75.7		107		146		76.4	58.4		92.2		100	31
TOTAL	1 726.9	1 321.0	2 270.6	2 991.1	5 943.9	3 084.8	4 000.2	1 559.2	1 174.2	1 894.1	3 027.1	3 240.0	TOTAL
MEAN	55.7	47.2	73.2	99.7	192	103	129	50.3	39.1	61.1	101	105	MEAN
MAX	80.0	66.9	114	273	384	161	249	72.8	66.1	104	175	178	MAX
MIN	27.4	18.5	18.9	30.4	85.7	55.8	67.5	16.0	15.8	15.8	44.1	32.3	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 88.3
MAXIMUM DAILY, 384 ON MAY 20
MINIMUM DAILY, 15.8 ON SEP 23

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 46 22 50 N
LONG 081 34 07 W
DRAINAGE AREA, 6 800 km²

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	149 000	JUL	346 000
FEB	114 000	AUG	135 000
MAR	196 000	SEP	101 000
APR	258 000	OCT	164 000
MAY	514 000	NOV	262 000
JUN	267 000	DEC	280 000

DATA CONTRIBUTED BY -
INTERNATIONAL NICKEL COMPANY OF CANADA LIMITED

REGULATED

TOTAL DISCHARGE, 2 790 000 dam³

REMARKS - EXCLUDES ONAPING LAKE BASIN, BUT EXTREME HIGH WATER SPILLED FROM LAKE INTO SPANISH RIVER

SPEED RIVER BELOW GUELPH - STATION NO. 02GA015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.10B	5.24	8.80B	6.05	3.84	3.09	2.80	2.07	1.92	2.38	4.17	6.58	1
2	2.20B	5.49	7.80B	6.89	3.46	2.94	2.56	2.04	1.88	2.57	2.86	6.30	2
3	2.05B	6.11B	6.40B	7.90	3.41	2.65	2.27	1.97	1.80	2.33	4.36	6.66	3
4	2.20B	5.33B	5.00B	9.87	3.55	3.01	1.98	1.90	1.82	2.84	4.36	7.74	4
5	2.48B	5.24B	4.40B	10.2	4.42	3.00	1.94	1.89	1.93	2.27	7.14	7.98	5
6	2.90B	4.76	3.80B	8.81	4.50	3.02	1.93	1.86	1.79	2.31	9.22	8.33	6
7	3.12B	4.66	3.15B	5.88	4.18	2.90	1.94	1.85	1.79	2.22	10.6	7.97	7
8	2.85B	5.21	2.68B	5.72	3.55	2.94	3.27	2.16	1.68	2.19	10.6	7.56	8
9	2.58B	7.31	2.49B	5.46	3.12	2.94	3.99	1.78	1.69	4.14	9.18	7.14	9
10	2.48B	10.2	2.39B	6.64	3.75	3.14	2.18	1.78	1.70	6.11	8.11	7.08	10
11	2.20B	10.6	5.74	8.95	3.37	2.87	2.06	2.00	1.70	8.56	7.46	7.01	11
12	1.80B	9.41	15.7	9.98	3.34	2.65	1.92	2.95	1.67	9.61	7.16	6.82	12
13	1.55B	9.01	25.4 B	8.63	4.28	2.54	1.95	4.41	1.64	9.39	6.71	7.44	13
14	1.49B	8.98	33.8	7.14	4.04	2.40	2.08	3.98	3.26	8.28	6.67	8.91	14
15	1.68B	7.89	33.6	7.41	3.88	2.27	3.61	3.45	2.46	7.27	6.54	7.76	15
16	2.40B	7.12	28.8	7.63	4.86	2.14	2.67	2.75	2.25	6.54	6.67	7.38	16
17	6.24B	5.84	25.9	7.71	6.18	2.06	2.49	2.60	2.10	7.86	6.87	7.06	17
18	7.90B	5.64	20.6	7.53	8.38	1.94	2.45	2.10	1.93	8.19	6.70	7.68	18
19	9.30B	5.05B	15.8	7.15	8.58	1.89	2.45	2.53	1.90	9.37	5.85	8.56	19
20	8.40B	4.58B	11.5	7.12	10.5	1.92	2.70	2.10	1.79	7.76	4.95	8.29	20
21	7.20B	4.38B	9.01	6.96	14.1	1.88	2.35	2.11	1.79	6.93	4.69	8.04	21
22	6.49	4.60B	8.46	7.58	13.5	2.32	3.06	2.00	1.85	6.49	5.75	8.63A	22
23	5.80	13.6	12.9	7.38	9.81	3.24	2.63	1.88	1.90	6.16	6.25	15.0 E	23
24	5.94	14.7	16.2	6.18	6.89	3.24	2.37	1.84	1.78	5.30	6.93	12.2 E	24
25	6.05	13.5	12.2	5.90	6.09	3.40	2.24	1.88	1.74	5.23	6.66	11.0 B	25
26	5.37	12.5 B	9.56	5.39	5.53	2.80	2.16	1.81	1.83	5.37	6.17	10.0 B	26
27	6.03	11.1	7.40	5.06	4.31	2.69	1.97	2.34	1.75	5.09	6.30	10.3 B	27
28	6.23	10.0	5.36	4.82	4.40	2.36	1.99	3.48	1.74	4.74	6.52	11.0 B	28
29	6.06		5.25	4.37	4.04	2.02	1.95	2.45	1.71	4.75	6.99	17.0 E	29
30	5.74		5.39	4.11	3.57	2.67	2.85	2.36	2.51	4.55	7.06	29.1 E	30
31	5.19		5.43		3.37		2.17	2.04		4.46		24.5 E	31
TOTAL	134.02	218.05	360.91	210.42	171.40	79.93	74.98	72.02	57.30	171.26	199.50	307.12	TOTAL
MEAN	4.32	7.79	11.6	7.01	5.53	2.66	2.42	2.32	1.91	5.52	6.65	9.91	MEAN
MAX	9.30	14.7	33.8	10.2	14.1	3.40	3.99	4.41	3.26	9.61	10.6	29.1	MAX
MIN	1.49	4.38	2.39	4.11	3.12	1.88	1.92	1.78	1.64	2.19	2.86	6.30	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.64
MAXIMUM DAILY, 33.8 ON MAR 14
MINIMUM DAILY, 1.49B ON JAN 14
MAXIMUM INSTANTANEOUS, 40.7 AT 18:35 EST ON MAR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 31 30 N
LONG 080 15 44 W
DRAINAGE AREA, 593 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	11 600	JUL	6 480
FEB	18 800	AUG	6 220
MAR	31 200	SEP	4 950
APR	18 200	OCT	14 800
MAY	14 800	NOV	17 200
JUN	6 910	DEC	26 500

TOTAL DISCHARGE, 178 000 dam³

SPEED RIVER NEAR ARMSTRONG MILLS - STATION NO. 02GA040

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.865B	4.60 B	9.00B	2.61	0.852	0.700E	0.917	0.304	0.298	1.79	0.967	2.27	1
2	0.995B	5.20 B	7.40B	2.86	0.745	0.620E	0.685	0.269	0.277	0.974	0.904	1.87	2
3	0.810B	3.50 B	6.20B	3.52	0.674	0.638E	0.541	0.223	0.254	0.833	0.856	1.56	3
4	0.910B	2.35 B	5.20B	3.08	0.659	0.680E	0.499	0.130	0.281	0.809	0.871	3.09	4
5	1.15 B	1.68 B	4.40B	2.70	1.27	0.720E	0.390	0.134	0.290	1.71	1.65	3.71	5
6	1.45 B	1.20 B	3.70B	2.23	1.55	0.692A	0.373	0.211	0.325	1.47	9.36	3.01	6
7	1.65 B	0.890B	3.00B	1.90	1.13	0.589	0.266	0.200	0.299	0.946	6.17	2.70	7
8	1.40 B	1.85 B	3.10B	1.65	0.969	0.559	0.277	0.133	0.235	0.804	3.70	2.37	8
9	1.21 B	3.75 B	3.40B	1.55	0.839	0.689	0.431	0.232	0.223	4.27	2.82	2.20	9
10	1.42 B	6.75 B	5.20B	2.08	0.860	0.648	0.345	0.129	0.319	8.06	2.53	2.33	10
11	1.10 B	5.80 B	13.0 B	4.35	1.05	0.571	0.292	0.117	0.241	4.85	2.34	2.18	11
12	0.760B	4.75 B	25.0 B	3.02	1.02 A	0.501	0.364	0.619	0.230	3.76	2.07	1.95	12
13	0.550B	3.80 B	21.0 B	2.29	1.07 E	0.468	0.222	1.78	0.330	4.31	1.89	4.23	13
14	0.395B	4.40 B	26.6 B	2.12	1.21 E	0.470	0.180	1.41	0.262	3.12	1.78	3.52	14
15	0.410B	3.15 B	16.0	2.99	1.38 E	0.455	0.255	0.765	0.479	2.26	2.18	2.88	15
16	0.483B	4.60 B	10.8	2.76	1.26 E	0.388	0.451	0.572	0.620	1.83	2.81	2.31	16
17	1.15 B	3.70 B	8.45	2.62	2.40 E	0.332	0.399	0.451	0.559	2.74	2.68	5.05	17
18	2.70 B	3.00 B	5.89	2.28	5.60 E	0.333	0.390	0.318	0.491	4.17	2.13	3.70	18
19	6.60 B	2.55 B	3.86B	1.86	5.00 E	0.341	0.277	0.387	0.348	4.09	1.75	1.80	19
20	9.30 B	2.15 B	2.65B	1.84	5.10 E	0.289	0.258	0.595	0.363	2.70	1.49	2.79	20
21	6.50 B	1.95 B	2.70B	2.79	5.80 E	0.289	0.206	0.503	0.430	2.17	1.48	2.54	21
22	5.10 B	5.40 B	3.30B	2.50	6.80 E	0.324	0.223	0.421	0.344	1.93	2.98	5.63	22
23	4.20 B	25.2 B	9.14	2.08	6.40 E	0.980	0.370	0.392	0.351	1.64	4.69	8.93	23
24	3.65 B	25.0 B	4.90	1.78	5.00 E	2.66	0.387	0.371	0.477	1.48	3.77	5.51B	24
25	4.60 B	21.0 B	3.25	1.62	3.60 E	1.56	0.271	0.229	0.468	1.29	3.15	2.65B	25
26	5.80 B	18.0 B	2.76	1.48	2.20 E	0.980	0.280	0.217	0.380	1.21	2.66	3.00B	26
27	6.60 B	15.0 B	2.09	1.31	1.65 E	0.746	0.260	0.261	0.383	1.11	2.86	3.50B	27
28	7.30 B	12.5 B	1.84	1.17	1.30 E	0.617	0.148	0.757	0.307	1.08	4.07	5.00B	28
29	6.00 B		1.75	1.05	1.11 E	0.803	0.120	0.833	0.372	1.06	3.51	5.60B	29
30	4.90 B		1.77	0.943	0.940E	1.32	0.292	0.582	0.995	0.980	2.60	20.0 B	30
31	3.90 B		2.19		0.830E		0.355	0.496		0.958		13.4	31
TOTAL	93.858	193.720	225.54	67.033	70.268	20.962	10.724	14.041	11.131	70.604	82.738	131.28	TOTAL
MEAN	3.03	6.92	7.28	2.23	2.27	0.699	0.346	0.453	0.371	2.28	2.76	4.23	MEAN
MAX	9.30	25.2	31.0	4.35	6.80	2.66	0.917	1.78	0.995	8.06	9.36	20.0	MAX
MIN	0.395	0.890	1.75	0.943	0.659	0.289	0.120	0.117	0.223	0.804	0.856	1.56	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.72
MAXIMUM DAILY, 31.0B ON MAR 13
MINIMUM DAILY, 0.117 ON AUG 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 38 19 N
LONG 080 16 12 W
DRAINAGE AREA, 167 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1976

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	8 110	JUL	927
FEB	16 700	AUG	1 210
MAR	19 500	SEP	962
APR	5 790	OCT	6 100
MAY	6 070	NOV	7 150
JUN	1 810	DEC	11 300

TOTAL DISCHARGE, 85 600 dam³

SPENCER CREEK AT DUNDAS - STATION NO. 02HB007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.320B	2.21B	3.55B	2.47	0.959	1.08	0.457	0.181	0.798	0.557	0.882	1.69	1
2	0.400B	2.40B	3.33B	2.81	0.865	0.933	0.437	0.146	0.607	0.467	0.825	1.66B	2
3	0.462B	1.98B	3.28B	3.18	0.790	1.36	0.413	0.133	0.657	0.450	0.755	1.64B	3
4	0.545B	1.84B	3.21B	3.34	0.771	1.59	0.303	0.160	0.583	0.620	0.743	3.80	4
5	0.704B	1.93B	3.06B	3.08	1.10	1.57	0.277	0.250	0.452	1.01	1.28	3.70	5
6	0.960B	1.88B	2.74B	2.68	1.20	1.45	0.245	0.180	0.395	1.07	4.80	3.63	6
7	0.722B	2.07	2.33B	2.46	1.32	1.24	0.224	0.183	0.394	0.884	3.79	3.52	7
8	0.665B	3.29	1.96B	2.28	1.11	1.09	0.275	0.188	0.363	0.834	3.33	3.44	8
9	0.612B	7.18	1.79B	1.94	0.879	1.02	0.695	0.174	0.343	3.16	2.98	3.33B	9
10	0.558B	7.17	1.62B	2.19	0.578	0.960	0.762	0.148	0.540	2.46	2.93	3.27B	10
11	1.24 B	4.81B	5.28B	3.43	0.684	0.897	0.503	0.118	0.761	0.423	2.83	3.20B	11
12	1.06 B	3.78B	12.5 A	3.04	0.718	0.819	0.412	0.136	0.495	0.572	2.74	3.14B	12
13	0.925B	3.62	17.6	2.99	1.14	0.503	0.339	0.170	0.361	1.53	2.52	3.06B	13
14	0.864B	3.87	10.2	2.97	1.16	0.546	0.307	0.225	0.443	2.15	2.32	2.94B	14
15	0.995B	1.70B	16.8	3.04	0.790	0.514	0.423	0.484	0.531	2.17	2.12	2.80B	15
16	1.08 B	1.65B	14.7	2.74	0.884	0.459	0.515	0.465	0.485	2.65	1.85	3.00	16
17	3.86	1.52B	12.2	2.26	2.71 E	0.411	0.368	0.296	0.446	3.35	1.80	2.81	17
18	10.3	1.49B	9.32	2.78	6.88 E	0.426	0.331	0.351	0.368	3.42	1.66	3.24	18
19	7.16 B	1.46B	7.18	2.69	5.55 E	0.281	0.285	0.466	0.378	5.08	1.44	4.14	19
20	4.61 B	1.39B	5.41	2.57	4.96 E	0.164	0.329	0.452	0.365	5.42	1.38	3.39B	20
21	3.60 B	1.60B	4.92	3.35	5.58 E	0.129	0.370	0.437	0.420	2.97	1.28	3.51	21
22	3.10 B	3.42B	4.52	3.00	4.38 E	0.150	0.452	0.315	0.457	1.70	1.37	5.28	22
23	2.55 B	12.8	4.61	2.68	3.81 E	0.191	0.638	0.374	0.381	1.51	1.69	8.00	23
24	3.17 B	12.1 A	4.05	2.21	3.30 E	0.233	0.566	0.329	0.372	1.37	1.78	8.51	24
25	3.02 B	7.10E	3.57	2.04	2.92 E	0.425	0.470	0.229	0.346	1.33	1.75	5.26B	25
26	2.91 B	7.40E	3.15	1.90	2.38 E	0.423	0.369	0.229	0.498	1.21	1.56	3.99B	26
27	2.80 B	4.30B	2.69	1.52	1.41 E	0.424	0.292	0.269	0.544	1.02	1.91	3.10B	27
28	2.69 B	3.84B	2.35	1.39	0.823A	0.347	0.253	1.22	0.400	1.06	2.15	2.98B	28
29	2.61 B		2.26	1.34	0.935	0.476	0.347	1.59	0.318	0.953	1.94	9.21	29
30	2.53 B		2.43	1.13	1.10	0.470	0.264	0.707	0.519	0.842	1.79	19.7	30
31	2.30 B		2.41		1.16		0.217	0.878		0.784		19.9	31
TOTAL	69.322	109.80	183.02	75.50	62.846	20.581	12.138	11.483	14.020	53.026	60.195	150.92	TOTAL
MEAN	2.24	3.92	5.90	2.52	2.03	0.686	0.392	0.370	0.467	1.71	2.01	4.87	MEAN
MAX	10.3	12.8	19.2	3.43	6.88	1.59	0.762	1.59	0.798	5.42	4.80	19.9	MAX
MIN	0.320	1.39	1.62	1.13	0.578	0.129	0.217	0.118	0.318	0.423	0.743	1.64	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.25
MAXIMUM DAILY, 19.9 ON DEC 31
MINIMUM DAILY, 0.118 ON AUG 11
MAXIMUM INSTANTANEOUS,
23.3 AT 01:00 EST ON DEC 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 15 55 N
LONG 079 57 49 W
DRAINAGE AREA, 169 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 990	JUL	1 050
FEB	9 490	AUG	992
MAR	15 800	SEP	1 210
APR	6 520	OCT	4 580
MAY	5 430	NOV	5 200
JUN	1 780	DEC	13 000

TOTAL DISCHARGE, 71 000 dam³

SPENCER CREEK AT HIGHWAY NO. 5 - STATION NO. 02HB023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.250B	1.92B	2.79B	1.88	0.721	0.706	0.304	0.178	0.472	0.406	0.885	1.92	1
2	0.285B	1.97B	2.72B	2.07	0.610	0.646	0.271	0.171	0.359	0.495	0.855	1.86	2
3	0.390B	1.91B	2.68B	2.34	0.505	1.04	0.227	0.134	0.280	0.474	0.870	1.77B	3
4	0.501B	1.83B	2.52B	2.38	0.482	1.24	0.185	0.109	0.247	0.689	0.860	3.10	4
5	0.628B	2.30B	2.20B	2.33	0.718	1.10	0.184	0.110	0.241	0.769	1.32	3.31	5
6	0.547B	1.83B	1.93B	2.13	0.779	0.927	0.150	0.111	0.229	0.653	3.87	3.46	6
7	0.520B	1.74	1.62B	1.96	0.847	0.770	0.120	0.099	0.250	0.638	3.33	3.28B	7
8	0.485B	2.55	1.48B	1.71	0.668	0.653	0.116	0.084	0.264	0.715	3.07	3.25B	8
9	0.468B	5.17	1.37	1.54	0.578	0.672	0.678	0.074	0.217	0.995	2.86	3.21B	9
10	0.722B	4.69B	1.92	1.62	0.590	0.608	0.364	0.069	0.223	1.32	2.84	3.16B	10
11	1.03 B	3.61B	4.48	2.52	0.631	0.613	0.270	0.061	0.258	1.47	2.80	3.12B	11
12	0.880B	2.86B	9.26	2.27	0.555	0.443	0.216	0.065	0.310	1.78	2.66	3.08B	12
13	0.770B	3.08	14.1	2.23	1.47	0.377	0.180	0.323	0.285	2.55	2.48	3.01B	13
14	0.724B	2.25	14.5	2.21	2.00	0.340	0.172	0.460	0.254	2.30	2.27	2.96B	14
15	0.658B	2.36B	12.1	2.28	1.87	0.302	0.246	0.340	0.323	2.07	2.09	2.86	15
16	1.61 B	2.54B	9.84	2.14	2.54	0.264	0.305	0.220	0.369	1.91	1.97	3.16	16
17	4.46 B	2.31B	7.73	2.28	4.02	0.242	0.315	0.153	0.337	1.97	1.88	2.85	17
18	12.4 B	2.12B	6.19	2.22	5.76	0.285	0.266	0.123	0.291	2.17	1.76	3.21	18
19	7.10 B	1.83B	5.26	2.07	4.58	0.280	0.209	0.168	0.266	2.14	1.63	3.66B	19
20	5.34 B	1.74B	4.06	2.02	4.11	0.229	0.268	0.230	0.251	1.92	1.50	3.14B	20
21	4.19 B	1.69B	3.58B	2.48	4.75	0.207	0.268	0.227	0.264	1.82	1.41	3.38	21
22	3.52 B	3.40	3.21B	2.22	4.01	0.205	0.276	0.208	0.316	1.75	1.52	4.55	22
23	2.91 B	12.9	3.19B	2.02	3.24	0.309	0.434	0.175	0.278	1.66	1.80	6.69	23
24	3.03 B	7.10B	2.89B	1.85	2.72	0.505	0.397	0.146	0.272	1.54	1.93	6.29B	24
25	2.66 B	4.70B	2.64B	1.70	2.30	0.471	0.311	0.124	0.281	1.43	1.95	5.03B	25
26	2.79 B	5.02B	2.38B	1.53	1.87	0.387	0.226	0.108	0.282	1.28	1.88	4.31B	26
27	2.48 B	3.55B	2.12B	1.33	1.44	0.319	0.170	0.108	0.294	1.15	2.04	3.66B	27
28	2.27 B	3.16B	1.89B	1.16	1.17	0.265	0.140	0.998	0.284	1.06	2.21	3.06B	28
29	2.16 B		1.74B	0.944	0.999	0.320	0.117	0.977	0.258	0.975	2.15	7.68	29
30	2.09 B		1.83	0.833	0.919	0.335	0.108	0.803	0.309	0.938	2.02	20.0	30
31	2.01 B		1.94		0.812		0.165	0.638		0.902		13.7	31
TOTAL	69.878	93.13	136.16	58.267	58.264	15.060	7.658	7.794	8.564	41.939	60.710	137.72	TOTAL
MEAN	2.25	3.33	4.39	1.94	1.88	0.502	0.247	0.251	0.286	1.35	2.02	4.44	MEAN
MAX	12.4	12.9	14.5	2.52	5.76	1.24	0.678	0.998	0.472	2.55	3.87	20.0	MAX
MIN	0.250	1.69	1.37	0.833	0.482	0.205	0.108	0.061	0.217	0.406	0.855	1.77	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.90
MAXIMUM DAILY, 20.0 ON DEC 30
MINIMUM DAILY, 0.061 ON AUG 11
MAXIMUM INSTANTANEOUS,
21.0 AT 08:09 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 16 58 N
LONG 080 03 09 W
DRAINAGE AREA, 132 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	6 040	JUL	662
FEB	8 050	AUG	673
MAR	11 800	SEP	740
APR	5 030	OCT	3 620
MAY	5 030	NOV	5 250
JUN	1 300	DEC	11 900

TOTAL DISCHARGE, 60 100 dam³

SPENCER CREEK NEAR WESTOVER - STATION NO. 02HB015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.126B	0.725B	1.03 B	0.969	0.376	0.254	0.113	0.126	0.344	0.299	0.303	0.656B	1
2	0.134B	0.688B	0.922B	1.03	0.305	0.260	0.096	0.088	0.243	0.288	0.315	0.648B	2
3	0.160B	0.633B	0.794B	1.11	0.230	0.373	0.081	0.067	0.198	0.302	0.289	0.630B	3
4	0.178B	0.599B	0.685B	1.14	0.220	0.490	0.067	0.054	0.165	0.350	0.274	0.927B	4
5	0.244B	0.578B	0.602B	1.12	0.380	0.477	0.065	0.062	0.136	0.362	0.457	0.984	5
6	0.232B	0.612B	0.548B	1.02	0.554	0.448	0.056	0.059	0.123	0.372	1.05	1.32	6
7	0.224B	0.648B	0.505B	0.895	0.418	0.373	0.051	0.053	0.139	0.325	1.23	1.38 B	7
8	0.217B	0.740B	0.482B	0.768	0.319	0.341	0.069	0.045	0.129	0.413	1.33	1.31 B	8
9	0.211B	0.941B	0.460B	0.689	0.303	0.320	0.128	0.040	0.104	0.447	1.34	1.29 B	9
10	0.237B	1.10 B	0.543B	0.768	0.295	0.385	0.163	0.037	0.114	0.621	1.33	1.26 B	10
11	0.298B	0.938B	0.995B	1.07	0.350	0.275	0.117	0.036	0.199	0.722	1.21	1.24 B	11
12	0.279B	0.875B	2.12 B	1.23	0.298	0.211	0.082	0.069	0.205	0.823	1.10	1.22 B	12
13	0.266B	0.818B	3.82 B	1.23	0.537	0.174	0.068	0.264	0.152	0.993	0.940	1.19 B	13
14	0.259B	0.902B	5.01	1.12	0.803	0.147	0.065	0.311	0.130	1.07	0.827	1.24 B	14
15	0.251B	0.918B	4.64	1.09	0.831	0.130	0.115	0.196	0.218	1.02	0.748	1.29 B	15
16	0.293B	0.637B	4.02	1.10	0.845	0.115	0.204	0.115	0.256	0.921	0.697	1.28	16
17	0.542B	0.618B	3.53	1.19	1.06	0.101	0.163	0.076	0.211	0.872	0.649	1.20	17
18	0.754B	0.586B	3.12 B	1.19	1.21	0.115	0.114	0.063	0.157	0.884	0.578	1.30	18
19	0.770B	0.565B	2.39 B	1.10	1.23	0.103	0.098	0.111	0.132	0.889	0.521	1.43	19
20	0.830B	0.509B	1.97 B	1.02	1.25	0.091	0.109	0.156	0.126	0.859	0.477	1.40 B	20
21	0.758B	0.485B	1.57 B	1.02	1.24	0.082	0.125	0.151	0.128	0.818	0.446	1.42 B	21
22	0.722B	0.904B	1.42 B	0.992	1.09	0.085	0.131	0.124	0.121	0.754	0.518	1.60 B	22
23	0.701B	1.36 B	1.47 B	0.937	0.926	0.150	0.185	0.104	0.113	0.668	0.638	2.15 B	23
24	0.662B	1.31 B	1.36 B	0.828	0.766	0.249	0.223	0.095	0.105	0.581	0.673	1.88 B	24
25	0.675B	1.25 B	1.09 B	0.723	0.579	0.233	0.149	0.084	0.104	0.500	0.669	1.72 B	25
26	0.728B	1.20 B	0.940B	0.629	0.462	0.175	0.100	0.074	0.102	0.445	0.618	1.66 B	26
27	0.812B	1.17 B	0.822B	0.531	0.407	0.123	0.073	0.078	0.103	0.403	0.653	1.42 B	27
28	0.864B	1.15 B	0.751B	0.498	0.334	0.103	0.059	0.464	0.087	0.377	0.694	1.25 B	28
29	0.946B		0.819	0.508	0.314	0.107	0.050	0.612	0.070	0.354	0.690	2.08 B	29
30	0.860B		0.865	0.438	0.309	0.118	0.069	0.596	0.180	0.336	0.678	3.61	30
31	0.788B		0.925		0.274		0.119	0.468		0.317		3.41	31
TOTAL	15.021	23.459	50.218	27.953	18.515	6.608	3.307	4.878	4.594	18.385	21.942	45.395	TOTAL
MEAN	0.485	0.838	1.62	0.932	0.597	0.220	0.107	0.157	0.153	0.593	0.731	1.46	MEAN
MAX	0.946	1.36	5.01	1.23	1.25	0.490	0.223	0.612	0.344	1.07	1.34	3.61	MAX
MIN	0.126	0.485	0.460	0.438	0.220	0.082	0.050	0.036	0.070	0.288	0.274	0.630	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.658
MAXIMUM DAILY, 5.01 ON MAR 14
MINIMUM DAILY, 0.036 ON AUG 11
MAXIMUM INSTANTANEOUS,
5.20 AT 20:49 EST ON MAR 14

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 21 10 N
LONG 080 04 40 W
DRAINAGE AREA, 63.5 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 300	JUL	286
FEB	2 030	AUG	421
MAR	4 340	SEP	397
APR	2 420	OCT	1 590
MAY	1 600	NOV	1 900
JUN	571	DEC	3 920

TOTAL DISCHARGE, 20 800 dam³

ST. CLAIR RIVER AT POINT EDWARD - STATION NO. 02GG010

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	175.86	175.73	175.73	175.81	175.88	175.95	176.10	176.10	176.03	175.99	175.91	175.94	1
2	175.77	175.83	175.79	175.86	175.89	175.90	176.07	176.08	176.09	176.02	175.91	176.02	2
3	175.73	175.76	175.82	175.99	175.86	175.97	176.05	176.06	176.04	175.89	175.94	175.91	3
4	175.79	175.79	175.77	175.92	175.89	176.04	176.08	176.05	176.01	175.95	176.01	175.92	4
5	175.78	175.69	175.73	175.93	175.91	176.00	176.11	176.13	176.06	176.00	175.96	175.97	5
6	175.77	175.77	175.72	175.89	175.90	175.98	176.09	176.13	176.02	175.95	176.03	176.03	6
7	175.72	175.73	175.71	175.85	175.86	176.00	176.08	176.10	176.12	176.03	176.04	175.93	7
8	175.72	175.68	175.70	175.85	175.81	175.99	176.04	176.07	176.04	176.03	176.03	175.99	8
9	175.73	175.73	175.69	175.80	175.89	176.00	176.09	176.08	176.04	176.08	175.95	175.94	9
10	175.77	175.77	175.74	175.90	175.78	176.05	176.09	176.07	176.07	175.96	176.05	176.05	10
11	175.70	175.78	175.75	175.93	175.94	176.01	176.09	176.09	176.06	175.96	176.08	175.93	11
12	175.90	175.71	175.73	175.90	175.89	175.96	176.13	176.07	176.02	176.02	176.13	175.86	12
13	175.81	175.75	175.79	175.85	175.91	175.97	176.12	176.09	176.01	176.01	176.06	176.04	13
14	175.72	175.83	175.76	175.84	175.89	176.02	176.10	176.07	176.03	175.96	175.88	175.95	14
15	175.72	175.79	175.76	175.86	175.90	176.03	176.07	176.07	176.13	176.01	175.93	175.94	15
16	175.72	175.68	175.78	175.85	175.87	176.02	176.08	176.06	176.12	175.97	175.99	175.95	16
17	175.65	175.80	175.80	175.92	175.92	175.99	176.07	176.06	176.10	175.90	175.98	175.92	17
18	175.75	175.66	175.84	175.89	176.00	176.05	176.07	176.07	176.05	175.99	175.89	175.94	18
19	175.78	175.82	175.87	175.85	176.01	176.08	176.08	176.04	176.05	176.10	175.89	175.99	19
20	175.75	175.76	175.83	175.86	175.98	176.01	176.09	176.04	176.07	175.96	175.94	175.85	20
21	175.71	175.69	175.81	175.88	176.01	176.02	176.10	176.06	175.96	175.94	175.81	175.91	21
22	175.73	175.78	175.76	175.85	175.99	176.04	176.10	176.07	176.05	176.03	175.91	175.95	22
23	175.73	175.83	175.90	175.86	175.98	176.06	176.10	176.07	176.14	176.00	175.93	176.04	23
24	175.66	175.90	175.85	175.83	175.98	176.10	176.10	176.05	176.03	176.02	175.97	176.00	24
25	175.69	175.91	175.82	175.86	175.97	176.05	176.08	176.04	176.01	176.09	176.01	175.92	25
26	175.73	175.73	175.91	175.85	175.98	176.05	176.09	176.04	176.02	176.01	175.95	176.02	26
27	175.66	175.83	175.82	175.84	175.99	176.07	176.08	176.08	175.98	175.93	175.84	175.97	27
28	175.74	175.83	175.82	175.84	175.98	176.05	176.08	176.07	176.01	176.12	175.94	175.86	28
29	175.77		175.79	175.84	175.97	176.04	176.06	176.09	176.05	175.97	176.04	175.93	29
30	175.68		175.81	175.85	175.91	176.08	176.13	176.07	176.03	175.96	175.89	176.08	30
31	175.75		175.83		175.89		176.13	176.05		175.95		175.98	31
MEAN	175.74	175.77	175.79	175.87	175.92	176.02	176.09	176.07	176.05	175.99	175.96	175.96	MEAN
MAX	175.90	175.91	175.91	175.99	176.01	176.10	176.13	176.13	176.14	176.12	176.13	176.08	MAX
MIN	175.65	175.66	175.69	175.80	175.78	175.90	176.04	176.04	175.96	175.89	175.81	175.85	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 175.94
MAXIMUM DAILY, 176.14 ON SEP 23
MINIMUM DAILY, 175.65 ON JAN 17
MAXIMUM INSTANTANEOUS,
176.61 AT 23:25 EST ON AUG 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 59 27 N
LONG 082 25 17 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 11940 POINT EDWARD

ST. CLAIR RIVER AT PORT LAMBTON - STATION NO. 02GG011

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	175.14	174.94	175.16	175.05	175.08	175.18	175.23	175.25	175.24	175.20	---	---	1
2	175.12	174.97	175.10	175.07	175.07	175.19	175.23	175.24	175.23	175.17	---	175.06	2
3	175.13	175.02	175.06	175.07	175.07	175.29	175.24	175.24	175.22	175.16	---	175.09	3
4	175.20	175.08	175.05	175.09	175.06	175.20	175.25	175.24	175.23	175.19	---	175.17	4
5	175.15	175.09	175.04	175.10	175.08	175.21	175.23	175.24	175.22	175.18	---	175.13	5
6	175.10	175.08	175.10	175.10	175.09	175.20	175.22	175.24	175.23	175.17	---	175.12	6
7	175.04	174.99	175.13	175.09	175.10	175.19	175.23	175.24	175.28	175.16	---	175.13	7
8	175.03	174.97	175.09	175.08	175.10	175.20	175.24	175.24	175.28	175.14	---	175.11	8
9	174.99	174.97	175.05	175.09	175.10	175.21	175.23	175.23	175.28	175.16	---	175.11	9
10	174.97	174.99	175.04	175.07	175.20	175.20	175.23	175.23	175.28	175.22	---	175.10	10
11	174.94	174.98	175.06	175.11	175.06	175.19	175.24	175.23	175.26	175.20	---	175.09	11
12	174.97	174.97	175.08	175.13	175.06	175.20	175.23	175.25	175.27	175.21	---	175.09	12
13	174.99	174.97	175.09	175.12	175.08	175.20	175.25	175.25	175.27	175.21	---	175.11	13
14	175.05	174.95	175.08	175.12	175.11	175.20	175.27	175.25	175.27	175.22	---	175.08	14
15	175.03	174.99	175.08	175.12	175.11	175.19	175.28	175.26	175.27	175.22	---	175.09	15
16	174.96	175.04	175.09	175.12	175.15	175.19	175.28	175.25	175.25	175.19	---	175.08	16
17	174.88	175.03	175.13	175.11	175.22	175.20	175.27	175.25	175.27	175.19	---	175.08	17
18	174.91	175.06	175.11	175.11	175.21	175.23	175.25	175.25	175.27	175.26	---	175.09	18
19	174.93	175.05	175.07	175.08	175.19	175.20	175.25	175.25	175.27	175.17	---	175.10	19
20	174.93	175.00	175.07	175.09	175.20	175.21	175.26	175.25	175.27	175.16	---	175.08	20
21	174.97	174.99	175.06	175.10	175.19	175.21	175.25	175.25	175.25	175.17	---	175.09	21
22	174.97	175.01	175.06	175.10	175.20	175.23	175.25	175.25	175.26	175.16	---	175.11	22
23	174.94	175.11	175.07	175.09	175.20	175.26	175.26	175.25	175.25	175.16	---	175.13	23
24	174.95	175.16	175.07	175.09	175.19	175.21	175.26	175.25	175.25	175.16	---	175.19	24
25	175.00	175.22	175.09	175.09	175.18	175.21	175.25	175.25	175.23	175.16	---	175.23	25
26	174.95	175.27	175.07	175.09	175.19	175.22	175.25	175.24	175.18	175.15	---	175.13	26
27	174.94	175.24	175.06	175.08	175.19	175.22	175.25	175.24	175.17	175.18	---	175.13	27
28	174.94	175.20	175.06	175.08	175.17	175.23	175.24	175.24	175.17	175.15	---	175.13	28
29	174.93		175.04	175.08	175.18	175.23	175.24	175.24	175.17	175.13	---	175.15	29
30	174.93		175.05	175.08	175.17	175.23	175.25	175.24	175.18	175.13	---	175.26	30
31	174.94		175.05		175.19		175.25	175.25		175.11		175.31	31
MEAN	175.00	175.05	175.08	175.09	175.14	175.21	175.25	175.24	175.24	175.18	---	---	MEAN
MAX	175.20	175.27	175.16	175.13	175.22	175.29	175.28	175.26	175.28	175.26	---	---	MAX
MIN	174.88	174.94	175.04	175.05	175.06	175.18	175.22	175.23	175.17	175.11	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 175.31 ON DEC 31
MINIMUM DAILY, 174.88 ON JAN 17
MAXIMUM INSTANTANEOUS,
175.44 AT 16:35 EST ON JUN 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 39 33 N
LONG 082 30 25 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 11950 PORT LAMBTON

ST. LAWRENCE RIVER AT BROCKVILLE - STATION NO. 02MB007

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	74.18	74.14	74.30	74.40	74.65	74.77	74.65	74.50	74.41	74.25	74.19	74.27	1
2	74.19	74.08	74.31	74.39	74.66	74.75	74.65	74.52	74.36	74.28	74.23	74.21	2
3	74.14	74.07	74.28	74.41	74.63	74.77	74.69	74.52	74.30	74.23	74.23	74.04	3
4	74.15	74.11	74.26	74.47	74.59	74.79	74.71	74.50	74.34	74.30	74.22	74.29	4
5	74.14	74.13	74.24	74.58	74.54	74.77	74.65	74.51	74.33	74.31	74.07	74.30	5
6	74.16	74.15	74.21	74.61	74.60	74.76	74.62	74.50	74.32	74.31	74.32	74.30	6
7	74.18	74.14	74.22	74.58	74.63	74.76	74.62	74.50	74.30	74.25	74.24	74.26	7
8	74.14	74.15	74.22	74.58	74.60	74.72	74.62	74.50	74.27	74.15	74.22	74.23	8
9	74.12	74.17	74.22	74.54	74.63	74.74	74.66	74.49	74.31	74.11	74.21	74.24	9
10	74.11	74.21	74.24	74.52	74.64	74.75	74.64	74.47	74.32	74.08	74.24	74.23	10
11	74.15	74.18	74.23	74.55	74.80	74.69	74.60	74.47	74.26	74.20	74.32	74.17	11
12	74.20	74.17	74.25	74.62	74.66	74.72	74.55	74.45	74.29	74.21	74.27	74.14	12
13	74.16	74.18	74.31	74.61	74.61	74.70	74.54	74.44	74.27	74.21	74.26	74.25	13
14	74.10	74.15	74.31	74.59	74.65	74.70	74.54	74.48	74.30	74.23	74.24	74.16	14
15	74.11	74.07	74.32	74.64	74.65	74.69	74.56	74.52	74.36	74.30	74.29	74.16	15
16	74.09	74.15	74.35	74.62	74.60	74.68	74.61	74.49	74.27	74.27	74.27	74.14	16
17	74.08	74.22	74.39	74.69	74.70	74.67	74.60	74.49	74.27	74.27	74.18	74.17	17
18	74.15	74.19	74.46	74.66	74.80	74.72	74.61	74.48	74.27	74.32	74.16	74.25	18
19	74.13	74.28	74.43	74.63	74.76	74.70	74.59	74.32	74.27	74.37	74.16	74.26	19
20	74.14	74.22	74.46	74.64	74.64	74.67	74.59	74.36	74.26	74.24	74.19	74.15	20
21	74.07	74.25	74.47	74.63	74.64	74.65	74.59	74.38	74.23	74.28	74.16	74.23	21
22	74.14	74.22	74.46	74.65	74.72	74.66	74.56	74.38	74.29	74.27	74.19	74.25	22
23	74.13	74.23	74.52	74.63	74.71	74.67	74.53	74.39	74.31	74.17	74.21	74.31	23
24	74.14	74.20	74.49	74.60	74.75	74.74	74.56	74.38	74.32	74.22	74.27	74.37	24
25	74.10	74.22	74.51	74.64	74.77	74.72	74.57	74.39	74.31	74.21	74.31	74.44	25
26	74.22	74.23	74.48	74.64	74.74	74.70	74.55	74.40	74.27	74.18	74.17	74.49	26
27	74.15	74.29	74.46	74.65	74.75	74.70	74.54	74.41	74.26	74.22	74.21	74.35	27
28	74.21	74.27	74.46	74.60	74.74	74.66	74.52	74.43	74.24	74.28	74.26	74.33	28
29	74.08		74.37	74.59	74.67	74.64	74.52	74.43	74.18	74.22	74.27	74.42	29
30	74.12		74.38	74.60	74.72	74.65	74.52	74.40	74.23	74.23	74.23	74.44	30
31	74.12		74.40		74.78		74.52	74.41		74.19		74.42	31
MEAN	74.14	74.18	74.36	74.59	74.68	74.71	74.59	74.45	74.29	74.24	74.23	74.27	MEAN
MAX	74.22	74.29	74.52	74.69	74.80	74.79	74.71	74.52	74.41	74.37	74.32	74.49	MAX
MIN	74.07	74.07	74.21	74.39	74.54	74.64	74.52	74.32	74.18	74.08	74.07	74.04	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 74.39
MAXIMUM DAILY, 74.80 ON MAY 11
MINIMUM DAILY, 74.04 ON DEC 03
MAXIMUM INSTANTANEOUS,
74.98 AT 12:45 EST ON MAY 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 35 00 N
LONG 075 41 30 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 14400 BROCKVILLE

ST. LAWRENCE RIVER AT CORNWALL - STATION NO. 02MC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6 510	7 220	7 310	7 650	8 130	8 300	8 070	7 660	7 540	7 200	7 560	7 360	1
2	6 510	7 220	7 310	7 650	8 130	8 330	8 070	7 650	7 520	7 170	7 560	7 360	2
3	6 520	7 250	7 450	7 650	8 130	8 330	8 070	7 640	7 530	7 190	7 660	7 360	3
4	6 790	7 230	7 450	7 650	8 120	8 340	8 070	7 600	7 530	7 220	7 660	7 230	4
5	6 800	6 910	7 450	7 340	8 050	8 330	8 070	7 590	7 550	7 160	7 650	7 360	5
6	6 250	6 760	7 450	7 090	8 040	8 330	8 080	7 590	7 510	7 160	7 080	7 360	6
7	6 240	6 970	7 450	7 370	8 040	8 330	8 040	7 590	7 520	7 160	7 220	7 360	7
8	7 020	7 040	7 450	7 850	8 040	8 340	8 040	7 600	7 420	7 160	7 220	7 880	8
9	7 020	7 180	7 450	7 730	8 040	8 470	8 040	7 590	7 420	7 180	7 220	7 650	9
10	7 030	7 220	7 420	7 790	8 030	8 480	8 040	7 570	7 420	7 160	7 090	7 650	10
11	7 030	7 220	7 420	7 790	8 040	8 470	8 040	7 500	7 420	7 180	7 080	7 650	11
12	7 020	7 220	7 420	7 790	8 040	8 470	8 040	7 500	7 420	7 160	7 080	7 650	12
13	6 250	7 220	7 420	7 790	8 040	8 470	8 030	7 510	7 420	7 270	7 080	7 650	13
14	6 230	7 220	7 420	7 960	8 040	8 470	7 870	7 490	7 440	7 230	7 080	7 650	14
15	7 030	7 220	7 420	7 960	8 040	8 480	7 880	7 500	7 370	7 240	7 080	7 650	15
16	7 030	7 220	7 420	7 980	8 040	8 250	7 870	7 500	7 370	7 260	7 080	7 510	16
17	7 030	7 220	7 630	7 960	8 040	8 550	7 870	7 510	7 380	7 270	7 380	7 080	17
18	7 030	7 220	7 280	7 970	8 080	8 410	7 870	7 570	7 410	7 250	7 360	7 080	18
19	7 020	7 220	6 970	7 960	8 340	8 410	7 870	7 560	7 370	7 250	7 380	7 070	19
20	6 380	7 220	7 110	7 980	8 330	8 420	7 850	7 570	7 390	7 400	7 380	7 080	20
21	6 370	7 220	7 530	8 050	8 330	8 410	7 690	7 570	7 380	7 400	7 370	7 080	21
22	7 160	7 220	7 530	8 030	8 330	8 410	7 710	7 550	7 250	7 400	7 360	6 510	22
23	7 170	7 230	7 530	8 050	8 330	8 160	7 700	7 570	7 270	7 400	7 360	6 510	23
24	7 170	7 310	7 700	8 040	8 330	8 160	7 700	7 550	7 260	7 380	7 360	6 510	24
25	7 170	7 310	7 700	8 040	8 330	8 160	7 710	7 560	7 250	7 390	7 360	6 510	25
26	7 170	7 310	7 700	8 040	8 300	8 160	7 700	7 500	7 230	7 410	7 370	6 510	26
27	7 220	7 310	7 700	8 050	8 300	8 160	7 700	7 530	7 240	7 550	7 350	6 510	27
28	7 220	7 310	7 700	8 130	8 300	8 160	7 660	7 530	7 280	7 570	7 360	6 510	28
29	7 220		7 700	8 130	8 310	8 150	7 650	7 520	7 220	7 560	7 360	6 250	29
30	7 220		7 700	8 130	8 290	8 080	7 650	7 530	7 160	7 560	7 370	6 240	30
31	7 220		7 650		8 310		7 640	7 550		7 560		7 020	31
TOTAL	213 050	201 420	231 840	235 600	253 240	249 990	244 290	234 250	221 490	226 450	219 520	220 800	TOTAL
MEAN	6 870	7 190	7 480	7 850	8 170	8 330	7 880	7 560	7 380	7 300	7 320	7 120	MEAN
MAX	7 220	7 310	7 700	8 130	8 340	8 550	8 080	7 660	7 550	7 570	7 660	7 880	MAX
MIN	6 230	6 760	6 970	7 090	8 030	8 080	7 640	7 490	7 160	7 160	7 080	6 240	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7 540
MAXIMUM DAILY, 8 550 ON JUN 17
MINIMUM DAILY, 6 230 ON JAN 14

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 45 00 21 N
LONG 074 47 43 W
DRAINAGE AREA, 774 000 km²

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	18 400 000	JUL	21 100 000
FEB	17 400 000	AUG	20 200 000
MAR	20 000 000	SEP	19 100 000
APR	20 400 000	OCT	19 600 000
MAY	21 900 000	NOV	19 000 000
JUN	21 600 000	DEC	19 100 000

TOTAL DISCHARGE, 238 000 000 dam³

DATA CONTRIBUTED BY -
INTERNATIONAL ST. LAWRENCE RIVER BOARD OF CONTROL REGULATED

ST. LAWRENCE RIVER AT IROQUOIS ISLAND (ABOVE) - STATION NO. 02MB008

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	73.34	73.20	73.39	73.71	73.94	74.13	73.95	73.84	73.74	73.63	73.48	73.64	1
2	73.35	73.31	73.42	73.71	73.99	74.09	73.96	73.86	73.75	73.67	73.52	73.59	2
3	73.29	73.17	73.39	73.71	73.96	74.10	74.01	73.86	73.64	73.62	73.54	73.37	3
4	73.24	73.06	73.39	73.78	73.91	74.13	74.06	73.86	73.62	73.68	73.54	73.52	4
5	73.22	73.04	73.38	73.99	73.84	74.10	73.99	73.85	73.64	73.72	73.36	73.69	5
6	73.30	73.21	73.36	74.12	73.90	74.08	73.92	73.85	73.63	73.74	73.57	73.69	6
7	73.42	73.26	73.36	74.05	73.96	74.08	73.92	73.85	73.62	73.69	73.64	73.64	7
8	73.33	73.33	73.41	74.01	73.94	74.03	73.91	73.85	73.57	73.52	73.60	73.56	8
9	73.20	73.37	73.45	73.93	73.96	74.02	73.97	73.85	73.62	73.43	73.57	73.53	9
10	73.17	73.45	73.50	73.89	73.97	74.04	73.96	73.82	73.65	73.37	73.63	73.56	10
11	73.21	73.43	73.50	73.85	74.18	73.96	73.91	73.82	73.59	73.48	73.71	73.46	11
12	73.32	73.40	73.52	73.98	74.07	73.97	73.84	73.80	73.60	73.58	73.72	73.41	12
13	73.40	73.43	73.63	74.01	73.96	73.97	73.81	73.78	73.60	73.56	73.69	73.51	13
14	73.36	73.43	73.64	73.96	73.98	73.97	73.83	73.81	73.62	73.59	73.67	73.46	14
15	73.17	73.30	73.67	74.00	73.99	73.96	73.86	73.90	73.71	73.67	73.72	73.43	15
16	73.06	73.20	73.69	74.00	73.93	73.96	73.94	73.86	73.64	73.66	73.71	73.37	16
17	73.05	73.26	73.75	74.05	74.00	73.94	73.95	73.86	73.61	73.65	73.57	73.52	17
18	73.20	73.22	73.87	74.03	74.18	73.97	73.96	73.84	73.61	73.69	73.48	73.60	18
19	73.24	73.34	73.91	74.00	74.15	73.98	73.94	73.84	73.60	73.80	73.46	73.64	19
20	73.14	73.32	73.90	74.00	73.98	73.93	73.93	73.83	73.61	73.65	73.51	73.53	20
21	73.28	73.34	73.86	73.96	73.87	73.90	73.94	73.88	73.56	73.62	73.48	73.58	21
22	73.14	73.32	73.84	73.99	73.98	73.91	73.91	73.89	73.62	73.64	73.49	73.69	22
23	73.06	73.34	73.92	73.96	74.00	73.95	73.86	73.71	73.68	73.51	73.53	73.81	23
24	73.04	73.33	73.87	73.95	74.04	74.06	73.89	73.70	73.72	73.51	73.61	73.88	24
25	73.01	73.31	73.87	73.95	74.09	74.06	73.91	73.72	73.74	73.55	73.68	73.98	25
26	73.14	73.30	73.86	73.97	74.05	74.04	73.90	73.74	73.67	73.50	73.58	74.09	26
27	73.10	73.31	73.79	73.99	74.06	74.02	73.88	73.76	73.63	73.52	73.51	73.92	27
28	73.22	73.33	73.82	73.94	74.06	73.96	73.86	73.77	73.62	73.59	73.60	73.83	28
29	73.08		73.70	73.87	73.97	73.92	73.86	73.79	73.53	73.55	73.67	73.94	29
30	73.09		73.66	73.90	74.00	73.93	73.86	73.74	73.54	73.55	73.59	74.04	30
31	73.11		73.71		74.09		73.86	73.76		73.50		73.93	31
MEAN	73.21	73.30	73.65	73.94	74.00	74.01	73.91	73.79	73.63	73.59	73.58	73.66	MEAN
MAX	73.42	73.45	73.92	74.12	74.18	74.13	74.06	73.90	73.75	73.80	73.72	74.09	MAX
MIN	73.01	73.04	73.36	73.71	73.84	73.90	73.81	73.63	73.53	73.37	73.36	73.37	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 73.69
MAXIMUM DAILY, 74.18 ON MAY 11
MINIMUM DAILY, 73.01 ON JAN 25
MAXIMUM INSTANTANEOUS,
74.33 AT 13:25 EST ON MAY 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 49 20 N
LONG 075 19 14 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 14600 IROQUOIS LOCK (ABOVE)

ST. LAWRENCE RIVER AT IROQUOIS ISLAND (BELOW) - STATION NO. 02MB009

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	73.19	73.00	73.25	73.60	73.83	74.02	73.84	73.73	73.64	73.53	73.37	73.54	1
2	73.21	73.02	73.28	73.60	73.89	73.98	73.85	73.75	73.62	73.57	73.40	73.49	2
3	73.15	72.87	73.24	73.60	73.86	73.99	73.90	73.76	73.50	73.53	73.43	73.27	3
4	73.10	72.56	73.24	73.67	73.80	74.02	73.95	73.76	73.53	73.58	73.43	73.40	4
5	73.07	72.53	73.23	73.88	73.73	73.99	73.88	73.75	73.54	73.63	73.26	73.59	5
6	73.15	72.80	73.22	74.03	73.78	73.97	73.81	73.75	73.52	73.65	73.45	73.60	6
7	73.30	72.92	73.22	73.97	73.85	73.97	73.80	73.75	73.51	73.60	73.55	73.55	7
8	73.20	73.02	73.24	73.92	73.83	73.92	73.80	73.75	73.47	73.43	73.50	73.46	8
9	73.05	73.07	73.26	73.83	73.85	73.90	73.86	73.74	73.52	73.33	73.47	73.41	9
10	73.01	73.16	73.33	73.79	73.86	73.92	73.85	73.71	73.55	73.28	73.54	73.45	10
11	73.05	73.17	73.34	73.74	74.08	73.84	73.79	73.72	73.50	73.38	73.61	73.35	11
12	73.18	73.17	73.41	73.88	73.97	73.85	73.73	73.71	73.50	73.48	73.63	73.30	12
13	73.28	73.21	73.52	73.90	73.86	73.86	73.70	73.68	73.50	73.46	73.60	73.39	13
14	73.26	73.13	73.56	73.85	73.87	73.85	73.72	73.71	73.52	73.49	73.57	73.35	14
15	73.05	73.12	73.57	73.88	73.89	73.84	73.75	73.80	73.61	73.57	73.63	73.32	15
16	72.93	73.00	73.59	73.90	73.82	73.84	73.83	73.77	73.54	73.56	73.62	73.25	16
17	72.91	73.07	73.65	73.94	73.88	73.82	73.84	73.77	73.51	73.55	73.48	73.42	17
18	73.05	73.04	73.77	73.93	74.07	73.85	73.85	73.75	73.51	73.59	73.38	73.51	18
19	73.10	73.16	73.82	73.90	74.05	73.89	73.84	73.54	73.49	73.71	73.35	73.55	19
20	73.22	73.15	73.81	---	73.87	73.84	73.83	73.52	73.51	73.55	73.40	73.44	20
21	73.18	73.18	73.76	---	73.74	73.81	73.84	73.57	73.46	73.51	73.38	73.49	21
22	73.02	73.16	73.74	---	73.86	73.82	73.82	73.58	73.52	---	73.38	73.61	22
23	72.91	73.19	73.82	---	73.88	73.86	73.76	73.60	73.58	---	73.43	73.75	23
24	72.89	73.17	73.76	73.82	73.92	73.96	73.79	73.59	73.62	---	73.51	73.81	24
25	72.87	73.16	73.77	73.84	73.98	73.96	73.81	73.61	73.64	---	73.58	73.91	25
26	73.01	73.17	73.75	73.86	73.95	73.93	73.80	73.64	73.58	---	73.49	74.02	26
27	72.98	73.17	73.68	---	73.95	73.91	73.78	73.66	73.54	73.41	73.41	73.85	27
28	73.08	73.20	73.70	---	73.96	73.85	73.76	73.66	73.53	73.47	73.49	73.76	28
29	72.94		73.58	---	73.88	73.81	73.75	73.69	73.44	73.44	73.57	73.89	29
30	72.92		73.55	---	73.91	73.82	73.76	73.64	73.44	73.43	73.49	73.99	30
31	72.95		73.60		73.99		73.76	73.66		73.39		73.86	31
MEAN	73.07	73.06	73.52	---	73.89	73.90	73.81	73.69	73.53	---	73.48	73.57	MEAN
MAX	73.30	73.23	73.82	---	74.08	74.02	73.95	73.80	73.64	---	73.63	74.02	MAX
MIN	72.87	72.53	73.22	---	73.73	73.81	73.70	73.52	73.44	---	73.26	73.25	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 74.08 ON MAY 11
MINIMUM DAILY, 72.53 ON FEB 05
MAXIMUM INSTANTANEOUS,
74.22 AT 14:00 EST ON MAY 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 50 12 N
LONG 075 18 37 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 14602 IROQUOIS LOCK (BELOW)

ST. LAWRENCE RIVER AT SUMMERSTOWN - STATION NO. 02MC023

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	46.75	46.82	46.72	46.66	46.56	46.56	46.59	46.66	46.67	46.57	46.62	46.56	1
2	46.69	46.81	46.73	46.64	46.52	---	46.60	46.66	46.65	46.59	46.64	46.51	2
3	46.68	46.79	46.75	46.66	46.54	---	46.58	46.67	46.67	46.61	46.66	46.64	3
4	46.74	46.77	46.76	46.71	46.60	46.58	46.59	46.68	46.66	46.64	46.65	46.65	4
5	46.75	46.69	46.75	46.60	46.67	46.60	46.63	46.66	46.66	46.58	46.69	46.50	5
6	46.71	46.62	46.75	46.52	46.59	46.64	46.61	46.69	46.66	46.56	46.62	46.52	6
7	46.66	46.65	46.78	46.54	46.55	46.58	46.58	46.63	46.63	46.64	46.59	46.62	7
8	46.70	46.70	46.81	46.59	46.54	46.55	46.58	46.59	46.62	46.69	46.63	46.65	8
9	46.73	46.81	46.83	46.61	46.53	46.58	46.59	46.65	46.60	46.68	46.62	46.62	9
10	46.73	46.86	46.81	46.67	46.58	46.62	46.59	46.67	46.60	46.67	46.61	46.58	10
11	46.72	46.82	46.80	46.70	46.50	46.66	46.59	46.65	46.63	46.68	46.59	46.55	11
12	46.74	46.75	46.83	46.63	46.55	46.61	46.61	46.66	46.64	46.63	46.56	46.58	12
13	46.63	46.76	46.87	46.55	46.60	46.59	46.62	46.72	46.66	46.64	46.51	46.59	13
14	46.63	46.81	46.85	46.55	46.63	46.60	46.63	46.69	46.64	46.66	46.57	46.55	14
15	46.73	46.84	46.81	46.59	46.63	46.60	46.60	46.64	46.60	46.63	46.59	46.61	15
16	46.73	46.81	46.82	46.57	46.59	46.60	46.55	46.67	46.55	46.63	46.58	46.63	16
17	46.73	46.77	46.84	46.52	46.62	46.61	46.56	46.61	46.62	46.61	46.63	46.55	17
18	46.76	46.72	46.72	46.53	46.59	46.63	46.58	46.63	46.65	46.62	46.64	46.57	18
19	46.82	46.68	46.68	46.55	46.62	46.62	46.58	46.65	46.64	46.56	46.64	46.61	19
20	46.71	46.73	46.71	46.57	46.70	46.64	46.61	46.64	46.64	46.61	46.62	46.61	20
21	46.64	46.72	46.66	46.60	46.73	46.63	46.60	46.68	46.66	46.66	46.58	46.60	21
22	46.74	46.73	46.63	46.61	46.63	46.59	46.61	46.70	46.61	46.65	46.61	46.58	22
23	46.79	46.76	46.58	46.59	46.62	46.60	46.69	46.65	46.55	46.68	46.59	46.53	23
24	46.78	46.78	46.62	46.57	46.62	46.58	46.63	46.68	46.53	46.70	46.53	46.57	24
25	46.76	46.78	46.61	46.56	46.61	46.59	46.62	46.65	46.57	46.69	46.51	46.47	25
26	46.79	46.73	46.62	46.58	46.60	46.60	46.62	46.64	46.59	46.70	46.56	46.45	26
27	46.83	46.70	46.62	46.61	46.57	46.61	46.65	46.62	46.61	46.66	46.64	46.47	27
28	46.81	46.70	46.56	46.64	46.58	46.60	46.67	46.67	46.62	46.64	46.62	46.53	28
29	46.80		46.62	46.63	46.67	46.60	46.65	46.66	46.64	46.63	46.56	46.48	29
30	46.80		46.65	46.58	46.61	46.60	46.64	46.63	46.63	46.63	46.55	46.57	30
31	46.82		46.65		46.57		46.64	46.65		46.63		46.66	31
MEAN	46.74	46.75	46.72	46.60	46.60	---	46.61	46.66	46.62	46.64	46.60	46.57	MEAN
MAX	46.83	46.86	46.87	46.71	46.73	---	46.69	46.72	46.67	46.70	46.69	46.66	MAX
MIN	46.63	46.62	46.56	46.52	46.50	---	46.55	46.59	46.53	46.56	46.51	46.45	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 46.87 ON MAR 13
MINIMUM DAILY, 46.45 ON DEC 26
MAXIMUM INSTANTANEOUS,
46.89 AT 19:30 EST ON MAR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 03 35 N
LONG 074 33 13 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 14940 SUMMERSTOWN

ST. LAWRENCE RIVER BELOW CORNWALL CANAL - STATION NO. 02MC022

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	47.27	47.17	47.04	46.90	46.81	46.82	46.85	46.90	46.91	46.80	46.87	46.78	1
2	47.23	47.16	47.06	46.89	46.78	46.86	46.86	46.90	46.89	46.80	46.87	46.74	2
3	47.20	47.14	47.10	46.93	46.80	46.84	46.84	46.91	46.92	46.82	46.90	46.91	3
4	47.23	47.13	47.10	46.96	46.87	46.84	46.85	46.92	46.92	46.85	46.89	46.87	4
5	47.21	47.02	47.09	46.82	46.94	46.87	46.89	46.91	46.91	46.78	46.96	46.71	5
6	47.10	46.93	47.09	46.73	46.84	46.91	46.87	46.93	46.91	46.76	46.83	46.74	6
7	47.04	46.98	47.11	46.76	46.81	46.85	46.85	46.87	---	46.86	46.81	46.84	7
8	47.15	47.03	47.15	46.82	46.80	46.83	46.85	46.84	---	46.92	46.85	46.89	8
9	47.16	47.14	47.18	46.85	46.78	46.86	46.84	46.90	---	46.91	46.85	46.85	9
10	47.14	47.20	47.16	46.92	46.83	46.90	46.84	46.92	---	46.92	46.82	46.81	10
11	47.13	47.17	47.13	46.95	46.74	46.95	46.86	46.89	---	46.89	46.79	46.79	11
12	47.14	47.10	47.14	46.87	46.80	46.89	46.87	46.90	---	46.85	46.77	46.83	12
13	46.96	47.11	47.14	46.80	46.86	46.88	46.89	46.97	---	46.86	46.72	46.81	13
14	46.96	47.15	47.10	46.82	46.88	46.88	46.89	46.93	---	46.87	46.77	46.79	14
15	47.14	47.17	47.04	46.83	46.88	46.88	46.87	46.88	---	46.84	46.79	46.86	15
16	47.14	47.14	47.05	46.82	46.86	46.86	46.80	46.92	---	46.85	46.79	46.86	16
17	47.15	47.10	47.07	46.76	46.88	46.89	46.81	46.85	---	46.83	46.86	46.75	17
18	47.15	47.05	46.95	46.79	46.84	46.89	46.82	46.88	---	46.84	46.87	46.79	18
19	47.20	47.01	46.90	46.80	46.88	46.89	46.83	46.91	46.87	46.77	46.88	46.82	19
20	47.06	47.06	46.93	46.82	46.98	46.92	46.87	46.90	46.86	46.84	46.85	46.84	20
21	46.99	47.05	46.89	46.85	47.02	46.91	46.84	46.93	46.89	46.89	46.82	46.81	21
22	47.14	47.05	46.86	46.85	46.91	46.86	46.86	46.95	46.94	46.88	46.85	46.74	22
23	47.20	47.09	46.80	46.85	46.90	46.87	46.94	46.90	46.77	46.92	46.82	46.77	23
24	47.20	47.13	46.85	46.83	46.89	46.84	46.89	46.93	46.74	46.92	46.75	46.76	24
25	47.17	47.11	46.84	46.82	46.89	46.85	46.87	46.89	46.78	46.91	46.73	46.65	25
26	47.19	47.06	46.85	46.84	46.88	46.86	46.87	46.88	46.81	46.93	46.79	46.62	26
27	47.22	47.02	46.86	46.87	46.84	46.87	46.90	46.86	46.83	46.90	46.88	46.66	27
28	47.19	47.03	46.80	46.92	46.85	46.86	46.92	46.91	46.84	46.88	46.84	46.72	28
29	47.17		46.87	46.90	46.94	46.87	46.90	46.90	46.87	46.86	46.79	46.66	29
30	47.17		46.89	46.85	46.88	46.86	46.89	46.87	46.86	46.86	46.78	46.73	30
31	47.18		46.89		46.84		46.89	46.90		46.87		46.87	31
MEAN	47.15	47.09	47.00	46.85	46.86	46.87	46.87	46.90	---	46.86	46.83	46.78	MEAN
MAX	47.27	47.20	47.18	46.96	47.02	46.95	46.94	46.97	---	46.93	46.96	46.91	MAX
MIN	46.96	46.93	46.80	46.73	46.74	46.82	46.80	46.84	---	46.76	46.72	46.62	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 47.27 ON JAN 01
MINIMUM DAILY, 46.62 ON DEC 26
MAXIMUM INSTANTANEOUS,
47.40 AT 20:00 EST ON JAN 01

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 00 55 N
LONG 074 42 38 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 14870 CORNWALL

ST. MARYS RIVER AT SAULT STE. MARIE - STATION NO. 02CA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	1
2	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	2
3	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	3
4	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	4
5	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	5
6	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	6
7	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	7
8	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	8
9	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	9
10	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	10
11	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	11
12	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	12
13	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	13
14	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	14
15	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	15
16	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	16
17	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	17
18	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	18
19	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	19
20	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	20
21	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	21
22	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	22
23	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	23
24	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	24
25	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	25
26	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	26
27	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	27
28	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	28
29	1 900		1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	29
30	1 900		1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	30
31	1 900		1 900		2 040		1 860	1 830		1 680		1 720	31
TOTAL	58 900	53 200	58 900	56 700	63 240	48 000	57 660	56 730	55 500	52 080	56 100	53 320	TOTAL
MEAN	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	MEAN
MAX	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	MAX
MIN	1 900	1 900	1 900	1 890	2 040	1 600	1 860	1 830	1 850	1 680	1 870	1 720	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 840
MAXIMUM DAILY, 2 040 ON MAY 01
MINIMUM DAILY, 1 600 ON JUN 01

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 46 30 34 N
LONG 084 21 42 W
DRAINAGE AREA, 210 000 km²

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 090 000	JUL	4 980 000
FEB	4 600 000	AUG	4 900 000
MAR	5 090 000	SEP	4 800 000
APR	4 900 000	OCT	4 500 000
MAY	5 460 000	NOV	4 850 000
JUN	4 150 000	DEC	4 610 000

TOTAL DISCHARGE, 57 900 000 dam³

DATA CONTRIBUTED BY -
INTERNATIONAL LAKE SUPERIOR BOARD OF CONTROL

REGULATED

ST. MARYS RIVER AT SAULT STE. MARIE (ABOVE) - STATION NO. 02BF011

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	182.74	182.74	182.65	182.60	182.75	182.73	182.95	182.93	182.95	182.98	182.92	183.05	1
2	182.72	182.66	182.71	182.68	182.72	182.71	182.89	182.90	182.98	182.94	183.01	183.00	2
3	182.69	182.65	182.67	182.66	182.71	182.82	182.87	182.90	182.88	182.84	183.06	182.83	3
4	182.81	182.64	182.64	182.67	182.71	182.81	182.94	182.96	182.91	183.03	183.08	182.98	4
5	182.75	182.63	182.64	182.66	182.77	182.75	182.95	183.05	182.93	182.99	182.97	182.90	5
6	---	182.66	182.62	182.58	182.72	182.82	182.93	183.02	182.94	183.04	183.02	183.04	6
7	---	182.62	182.57	182.55	182.69	182.79	182.86	182.96	182.95	183.02	183.07	182.92	7
8	---	182.65	182.55	182.54	182.68	182.77	182.89	182.93	182.91	182.98	182.91	182.91	8
9	---	182.65	182.59	182.53	182.76	182.86	182.95	182.95	182.95	182.95	182.95	182.96	9
10	---	182.72	182.62	182.56	182.92	182.89	182.97	182.99	182.96	182.90	183.12	182.96	10
11	---	182.66	182.57	182.52	182.79	182.79	182.98	183.01	182.88	182.94	183.19	182.84	11
12	182.88	182.56	182.57	182.50	182.76	182.73	182.98	182.98	182.89	182.94	183.20	182.85	12
13	182.76	182.75	182.61	182.48	182.75	182.81	182.97	182.96	182.78	182.94	182.97	183.05	13
14	182.63	182.63	182.58	182.48	182.73	182.87	182.94	182.94	182.98	182.94	182.87	182.85	14
15	182.73	182.64	182.57	182.60	182.77	182.89	182.95	182.96	182.97	182.98	182.93	182.89	15
16	182.70	182.62	182.59	182.46	182.68	182.86	182.94	182.92	183.00	182.93	182.99	182.89	16
17	182.72	182.63	182.70	182.53	182.81	182.85	182.93	182.93	182.93	182.89	182.90	182.87	17
18	182.83	182.66	182.71	182.43	182.96	182.92	182.98	182.95	182.86	183.17	182.84	182.91	18
19	182.68	182.80	182.68	182.41	182.81	182.87	182.96	182.91	182.92	183.03	182.90	182.83	19
20	182.74	182.63	182.65	182.49	182.80	182.83	183.00	182.91	182.92	182.90	182.83	182.70	20
21	182.67	182.63	182.63	182.46	182.82	182.88	183.00	182.92	182.93	183.05	182.74	182.87	21
22	182.75	182.71	182.71	182.46	182.79	182.89	183.00	182.93	183.15	182.99	182.94	182.98	22
23	182.67	182.69	182.74	182.39	182.79	182.99	183.00	182.90	183.14	182.99	183.03	182.97	23
24	182.72	182.73	182.66	182.42	182.80	182.96	182.98	182.89	183.00	183.10	182.96	182.97	24
25	182.76	182.66	182.69	182.50	182.77	182.88	182.96	182.89	182.99	183.03	183.15	183.05	25
26	182.71	182.60	182.64	182.54	182.79	182.93	182.96	182.90	182.98	182.92	182.82	182.99	26
27	182.72	182.75	182.62	182.64	182.79	182.92	182.93	182.91	182.98	183.14	182.92	---	27
28	182.72	182.67	182.59	182.66	182.80	182.85	182.93	182.95	183.01	183.12	183.05	---	28
29	182.65		182.55	182.72	182.81	182.93	182.96	182.95	182.99	182.95	183.01	182.89	29
30	182.69		182.59	182.74	182.79	182.97	183.02	182.91	183.00	183.02	182.91	182.84	30
31	182.60		182.56		182.76		182.98	182.89		182.96		182.72	31
MEAN	---	182.67	182.63	182.55	182.77	182.85	182.95	182.94	182.96	182.99	182.98	---	MEAN
MAX	---	182.80	182.74	182.74	182.96	182.99	183.02	183.05	183.15	183.17	183.20	---	MAX
MIN	---	182.56	182.55	182.39	182.68	182.71	182.86	182.89	182.78	182.84	182.74	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 183.20 ON NOV 12
MINIMUM DAILY, 182.39 ON APR 23
MAXIMUM INSTANTANEOUS,
183.71 AT 21:20 EST ON OCT 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 30 49 N
LONG 084 22 20 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 10980 SAULT STE MARIE (ABOVE)

ST. MARYS RIVER AT SAULT STE. MARIE (BELOW) - STATION NO. 02CA005

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	176.52	176.59	176.59	176.45	176.33	176.50	176.45	176.54	176.43	176.44	176.35	176.38	1
2	176.66	176.44	176.59	176.47	176.38	176.49	176.52	176.55	176.38	176.44	176.33	176.28	2
3	176.69	176.43	176.50	176.44	176.37	176.53	176.55	176.53	176.43	176.50	176.23	176.44	3
4	176.55	176.53	176.47	176.48	176.35	176.39	176.49	176.44	176.52	176.42	176.17	176.19	4
5	176.59	176.56	176.48	176.48	176.33	176.44	176.51	176.34	176.45	176.44	176.37	176.38	5
6	176.56	176.55	176.48	176.50	176.31	176.38	176.51	176.37	176.43	176.27	176.24	176.39	6
7	176.57	176.54	176.47	176.47	176.34	176.39	176.55	176.48	176.40	176.21	176.37	176.49	7
8	176.57	176.56	176.49	176.45	176.35	176.40	176.59	176.54	176.40	176.25	176.46	176.34	8
9	176.55	176.51	176.46	176.35	176.27	176.24	176.55	176.55	176.36	176.33	176.50	176.35	9
10	176.49	176.49	176.45	176.28	176.31	176.21	176.52	176.50	176.40	176.38	176.25	176.32	10
11	176.55	176.48	176.42	176.23	176.24	176.38	176.54	176.37	176.47	176.39	176.18	176.40	11
12	176.52	176.48	176.46	176.31	176.41	176.45	176.51	176.39	176.61	176.42	176.24	176.43	12
13	176.50	176.52	176.51	176.34	176.33	176.42	176.52	176.46	176.71	176.29	176.34	176.24	13
14	176.51	176.50	176.53	176.32	176.36	176.34	176.53	176.54	176.69	176.35	176.43	176.45	14
15	176.46	176.45	176.49	176.31	176.34	176.31	176.53	176.50	176.47	176.41	176.49	176.30	15
16	176.46	176.42	176.48	176.36	176.53	176.23	176.55	176.50	176.42	176.43	176.43	176.24	16
17	176.46	176.44	176.51	176.23	176.37	176.30	176.53	176.52	176.60	176.44	176.41	176.45	17
18	176.45	176.40	176.53	176.35	176.23	176.39	176.51	176.41	176.70	176.43	176.48	176.38	18
19	176.55	176.49	176.53	176.34	176.40	176.44	176.48	176.39	176.68	176.35	176.46	176.37	19
20	176.49	176.51	176.51	176.31	176.35	176.46	176.43	176.49	176.60	176.46	176.43	176.47	20
21	176.40	176.52	176.51	176.32	176.36	176.46	176.43	176.49	176.50	176.41	176.57	176.37	21
22	176.43	176.48	176.49	176.33	176.39	176.46	176.44	176.46	176.24	176.43	176.48	176.27	22
23	176.47	176.43	176.49	176.33	176.45	176.26	176.43	176.51	176.09	176.42	176.48	176.27	23
24	176.52	176.50	176.53	176.33	176.46	176.25	176.45	176.52	176.44	176.29	176.42	176.37	24
25	176.52	176.46	176.53	176.35	176.47	176.45	176.45	176.48	176.45	176.30	176.33	176.38	25
26	176.51	176.58	176.49	176.37	176.45	176.42	176.45	176.44	176.36	176.41	176.51	176.41	26
27	176.52	176.61	176.48	176.36	176.45	176.42	176.45	176.51	176.40	176.36	176.47	176.60	27
28	176.55	176.60	176.48	176.32	176.45	176.42	176.41	176.50	176.27	176.13	176.51	176.66	28
29	176.59		176.45	176.30	176.41	176.37	176.45	176.47	176.21	176.46	176.44	176.48	29
30	176.64		176.38	176.31	176.42	176.32	176.39	176.54	176.17	176.42	176.51	176.47	30
31	176.58		176.40		176.47		176.43	176.49		176.39		176.61	31
MEAN	176.53	176.50	176.49	176.36	176.38	176.38	176.49	176.48	176.44	176.38	176.40	176.39	MEAN
MAX	176.66	176.61	176.59	176.50	176.53	176.53	176.58	176.55	176.71	176.50	176.57	176.66	MAX
MIN	176.40	176.40	176.38	176.23	176.23	176.21	176.39	176.34	176.09	176.13	176.17	176.19	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 176.43
MAXIMUM DAILY, 176.71 ON SEP 13
MINIMUM DAILY, 176.09 ON SEP 23
MAXIMUM INSTANTANEOUS,
176.86 AT 09:30 EST ON SEP 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 30 47 N
LONG 084 20 41 W
DATA CONTRIBUTED BY -
OCEAN SCIENCE AND SURVEYS (DFO) (CANADA)

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM (1955)

REMARKS - DATA PUBLISHED AS RECEIVED. DATA PUBLISHED MONTHLY BY OCEAN SCIENCE AND SURVEYS AS STATION 11010 SAULT STE MARIE (BELOW)

ST. MARYS RIVER NEAR GARDEN RIVER - STATION NO. 02CA003

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	23.954	24.064	24.072	24.019	23.838	24.058	24.038	24.102	24.058	24.035	23.974	24.053	1
2	24.103	23.973	24.075	24.007	23.885	24.056	24.102	24.124	24.011	24.034	23.978	23.937	2
3	24.116	23.947	24.024	23.984	23.919	24.104	24.131	24.108	24.050	24.095	23.915	23.996	3
4	24.053	23.989	23.998	24.052	23.896	23.986	24.100	24.077	24.123	24.038	23.844	23.818	4
5	24.058	24.012	23.983	24.064	23.886	24.038	24.089	23.988	24.063	24.044	23.954	23.973	5
6	24.041	24.013	24.009	24.068	23.860	24.010	24.074	23.990	24.063	23.937	23.855	24.049	6
7	24.043	23.994	23.998	24.053	23.913	24.004	24.123	24.042	24.013	23.862	23.983	24.105	7
8	24.045	24.028	24.011	24.027	23.954	24.003	24.180	24.120	24.050	23.933A	24.040	24.014	8
9	24.024	24.000	24.008	23.969	23.860	23.936	24.124	24.123	24.035	23.922A	24.106	24.016	9
10	23.980	23.990	24.012	23.900	23.897	23.898	24.102	24.089	24.013	23.948	23.953	23.942	10
11	24.033	23.986	23.989	23.863	23.858	23.984	24.102	24.006	24.056	24.000	23.889	24.013	11
12	24.024	23.986	24.022	23.929	24.013	24.049	24.067	24.016	24.126	24.012	23.871	24.041	12
13	24.017	24.011	24.041E	23.958	23.934	24.060	24.082	24.019	24.175	23.939	23.941	23.890	13
14	24.015	23.986	24.059E	23.927	23.956	23.984	24.095	24.117	24.159	24.001	24.024	24.065	14
15	23.981	23.981	24.035E	23.951	23.938	23.964	24.106	24.091	24.028	24.008	24.067	23.982	15
16	23.961	23.953	24.032E	24.000	24.088	23.921	24.146	24.075	23.996	24.043	24.018	23.905	16
17	23.969	23.955	24.040E	23.859	23.991	23.980	24.134	24.102	24.051	24.034	23.991	24.054	17
18	23.961	23.960	24.063E	23.916	23.902	24.013	24.129	24.034	24.139	24.047	24.059	23.991	18
19	24.017	24.001	24.060E	23.923	23.991	24.025	24.094	24.003	24.135	23.942	24.049	23.951	19
20	24.004	24.031	24.045E	23.891	23.950	24.054	24.061	24.051	24.101	24.090	24.003	24.063	20
21	23.925	24.035	24.050E	23.877	23.950	24.058	24.058	24.062	24.103	24.050	24.140	24.002	21
22	23.939	24.013	24.040E	23.898	23.988	24.058	24.068	24.049	23.944	24.027	24.093	23.970	22
23	23.976	23.944	24.035E	23.901	24.020	23.913	24.053	24.077	23.794	24.036	24.107	23.946	23
24	23.995	23.999	24.063E	23.895	24.029	23.928	24.073	24.093	24.050	23.943	24.022	24.004	24
25	24.006	23.957	24.063E	23.893	24.028	24.066	24.075	24.084	24.069	23.913	23.972	24.068	25
26	24.033	24.042	24.050E	23.912	24.010	24.060	24.070	24.061	23.970	24.002	24.066	24.001	26
27	24.024	24.081	24.035E	23.906	24.015	24.038	24.063	24.075	24.002	24.049	24.072	24.100	27
28	24.063	24.075	24.032E	23.885	24.014	24.059	24.059	24.079	23.916	23.808	24.123	24.144	28
29	24.102		24.010E	23.853	23.980	24.022	24.085	24.048	23.878	24.037	24.067	24.075	29
30	24.089		24.002	23.853	23.980	24.005	24.007	24.098	23.852	24.015	24.129	24.014	30
31	24.073		23.990		24.034		24.033	24.086		23.978		24.075	31
MEAN	24.020	24.000	24.031	23.941	23.954	24.011	24.088	24.067	24.034	23.994	24.010	24.010	MEAN
MAX	24.116	24.081	24.075	24.068	24.088	24.104	24.180	24.124	24.175	24.095	24.140	24.144	MAX
MIN	23.925	23.944	23.983	23.853	23.838	23.898	24.007	23.988	23.794	23.808	23.844	23.818	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 24.014
MAXIMUM DAILY, 24.180 ON JUL 08
MINIMUM DAILY, 23.794 ON SEP 23
MAXIMUM INSTANTANEOUS,
24.290 AT 15:03 EST ON MAY 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 31 57 N
LONG 084 07 56 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 152.400 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

STEEL RIVER NEAR TERRACE BAY - STATION NO. 02BA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.10B	3.05B	2.28B	6.24B	89.4	21.8	25.6	9.74	5.42	7.72	30.3	16.1	1
2	4.07B	3.00B	2.26B	6.26B	87.3	21.0	24.5	9.39	5.42	7.90	29.6	16.0	2
3	4.03B	2.97B	2.24B	6.30B	83.6	22.0	24.0	8.97	5.33	8.24	28.9	15.4	3
4	4.00B	2.94B	2.21B	6.32B	79.6	20.8	23.7	8.98	5.17	9.98	28.2	14.6	4
5	3.95B	2.92B	2.18B	6.34B	75.2	19.9	22.7	8.68	5.14	11.9	27.6	14.0	5
6	3.91B	2.89B	2.16B	6.36B	70.5	20.2	21.7	8.14	4.99	13.7	27.0	13.7	6
7	3.87B	2.86B	2.15B	6.38B	66.8	20.2	20.6	7.82	4.91	14.9	26.6	13.4	7
8	3.83B	2.83B	2.13B	6.40B	63.8	19.8	20.3	7.82	4.85E	15.5	25.8	13.4	8
9	3.80B	2.80B	2.12B	6.43B	60.5	20.0	20.2	7.86	4.80E	15.7	25.1	13.0	9
10	3.77B	2.77B	2.11B	6.45B	57.0	19.9	20.3	7.86	4.78E	15.8	24.9	12.8	10
11	3.73B	2.74B	2.10B	6.48B	53.5	19.7	20.4	7.66	4.75E	15.8	24.1	12.5	11
12	3.69B	2.71B	2.10B	6.50	50.3	19.6	20.2	7.43	4.72E	16.0	23.2	12.3	12
13	3.65B	2.68B	2.09B	6.50	47.1	19.6	19.6	7.16	4.65E	16.1	22.3	12.3	13
14	3.62B	2.66B	2.09B	6.54	44.7	19.6	18.8	6.91	4.58E	16.6	21.3	11.8	14
15	3.58B	2.64B	2.12B	6.70	43.2	19.4	18.3	6.68	4.37	17.7	20.8	11.7	15
16	3.55B	2.62B	2.15B	6.79	42.1	18.9	17.6	6.41	4.36	18.5	20.0	11.5	16
17	3.52B	2.59B	2.21B	6.87	42.5	18.8	17.0	6.32	4.26	20.0	19.0	11.3	17
18	3.49B	2.56B	2.35B	6.89	41.7	19.4	17.7	6.17	4.17	22.8	18.3	11.0 B	18
19	3.45B	2.54B	2.60B	6.92	40.8	19.1	17.0	5.88	4.22	23.0	17.8	10.7 B	19
20	3.42B	2.52B	2.85B	7.47	39.8	19.7	16.3	5.68	4.18	23.6	17.1	10.4 B	20
21	3.39B	2.50B	3.25B	8.57	38.1	21.3	15.7	5.53	5.41	28.4	21.4	10.1 B	21
22	3.35B	2.47B	3.80B	10.3	36.3	22.7	15.3	5.34	5.97	29.8	24.6	9.75B	22
23	3.32B	2.44B	4.45B	13.5	34.6	24.4	14.6	5.16	5.87	31.7	24.2	9.45B	23
24	3.29B	2.41B	4.90B	19.0	33.1	25.3	13.8	5.10	6.06	33.3	23.6	9.15B	24
25	3.26B	2.39B	5.20B	28.7	31.4	26.4	13.2	5.19	6.49	33.8	22.9	8.92B	25
26	3.22B	2.37B	5.50B	43.6	29.6	27.6	12.8	5.39	6.80	33.8	21.1	8.70B	26
27	3.18B	2.35B	5.80B	60.3	28.2	27.7	12.3	5.38	7.14	33.6	19.8	8.40B	27
28	3.15B	2.32B	5.95B	78.4	27.0	27.1	11.8	5.39	7.36	33.1	18.4	8.15B	28
29	3.12B		6.05B	85.7	25.4	26.7	11.4	5.45	7.48	32.4	17.1	8.00B	29
30	3.10B		6.15B	88.9	24.1	26.1	11.0	5.45	7.57	31.9	16.3	7.75B	30
31	3.08B		6.20B		22.9		10.3	5.46		31.0		7.55B	31
TOTAL	110.49	74.54	101.75	568.11	1 510.1	654.7	548.7	210.40	161.22	664.24	687.5	353.82	TOTAL
MEAN	3.56	2.66	3.28	18.9	48.7	21.8	17.7	6.79	5.37	21.4	22.9	11.4	MEAN
MAX	4.10	3.05	6.20	88.9	89.4	27.7	25.6	9.74	7.57	33.8	30.3	16.1	MAX
MIN	3.08	2.32	2.09	6.24	22.9	18.8	10.3	5.10	4.17	7.72	16.3	7.55	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.5
MAXIMUM DAILY, 89.4 ON MAY 01
MINIMUM DAILY, 2.09B ON MAR 13
MAXIMUM INSTANTANEOUS,
90.1 AT 14:43 EST ON APR 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 46 40 N
LONG 086 53 04 W
DRAINAGE AREA, 1 190 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	9 550	JUL	47 400
FEB	6 440	AUG	18 200
MAR	8 790	SEP	13 900
APR	49 100	OCT	57 400
MAY	130 000	NOV	59 400
JUN	56 600	DEC	30 600

TOTAL DISCHARGE, 487 000 dam³

STOKES RIVER NEAR FERNDALE - STATION NO. 02FA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.445B	1.45 B	0.535B	0.950E	0.399	0.332	0.130	0.018	0.004	0.065	0.315	4.83	1
2	0.470B	1.63 B	0.525B	1.88 E	0.356	0.310	0.081	0.014	0.004	0.106	0.270	3.37	2
3	0.865B	1.33 B	0.505B	1.61 E	0.326	0.291	0.073	0.012	0.003	0.147	0.209	2.27 B	3
4	1.53 B	1.18 B	0.485B	2.69 E	0.309	0.257	0.065	0.014	0.004	0.359	0.212	2.74 B	4
5	2.00 B	1.04 B	0.450B	1.86 E	0.277	0.222	0.057	0.019	0.012	0.352	0.870	2.55 B	5
6	1.86 B	0.972	0.425B	1.34 E	0.249	0.215	0.042	0.019	0.008	0.285	9.30	2.36 B	6
7	1.73 B	0.902	0.395B	0.980E	0.248	0.205	0.034	0.014	0.009	0.406	6.83	2.22	7
8	1.55 B	1.14	0.365B	0.855E	0.238	0.183	0.074	0.011	0.007	0.513	6.12	3.01	8
9	1.39 B	3.64	0.350B	0.780E	0.221	0.171	0.162	0.012	0.005	0.866	4.73	3.39	9
10	1.29 B	2.02	0.460B	0.855E	0.229	0.160	0.109	0.009	0.006	1.67	4.11	3.29	10
11	1.25 B	1.58 B	0.830B	0.965E	0.250	0.152	0.072	0.009	0.007	2.06	3.25	2.15	11
12	1.19 B	1.41	8.20 B	0.930E	0.223	0.145	0.052	0.012	0.005	1.56	2.18	2.16	12
13	1.12 B	1.44	10.5 B	0.875E	0.221	0.174	0.042	0.012	0.006	1.60	2.00	2.82	13
14	1.03 B	1.21 B	12.0 B	0.830E	0.212	0.168	0.044	0.011	0.012	1.44	1.86	1.78 B	14
15	0.930B	1.03 B	11.7	1.35 E	0.251	0.141	0.040	0.012	0.040	1.65	1.71	1.65 B	15
16	0.840B	0.880B	11.1	1.19 E	0.304	0.125	0.036	0.009	0.035	1.36	1.64	1.58	16
17	1.13 B	0.780B	8.72	1.11 E	3.02	0.105	0.036	0.009	0.024	3.89	1.58	1.46	17
18	8.95 B	0.705B	6.72	1.01 E	3.28	0.103	0.038	0.011	0.020	3.79	1.38	1.58	18
19	6.85 B	0.645B	5.05	0.979E	2.43	0.109	0.044	0.012	0.017	3.09	1.32 B	1.36 B	19
20	5.40 B	0.595B	3.64	1.05	2.74	0.076	0.064	0.010	0.016	2.09	1.23	1.22 B	20
21	2.58 B	0.545B	2.69	1.22	2.32	0.076	0.053	0.009	0.015	1.80	1.33	1.60	21
22	1.72 B	0.600B	1.64 E	1.07	1.85	0.075	0.050	0.007	0.037	1.71	2.59	3.26	22
23	1.35 B	0.730B	1.84 E	0.981	1.54	0.147	0.038	0.006	0.037	1.34	2.09	2.15	23
24	1.24 B	0.690B	1.67 E	0.875	1.29	0.124	0.030	0.005	0.028	1.14	2.56	1.71 B	24
25	1.97 B	0.645B	1.52 E	0.786	1.05	0.108	0.025	0.004	0.029	0.974	2.94	1.33 B	25
26	3.50 B	0.605B	1.37 E	0.709	0.850	0.099	0.025	0.004	0.016	0.788	2.11	1.14 B	26
27	2.87	0.575B	1.24 B	0.637	0.671	0.094	0.020	0.004	0.019	0.651	4.86	1.03 B	27
28	2.58	0.560B	1.17 E	0.553	0.549	0.070	0.019	0.005	0.025	0.661	10.2	0.960B	28
29	2.42		1.08 E	0.472	0.462	0.104	0.020	0.004	0.021	0.547	7.51	6.05 B	29
30	2.05 B		1.03 E	0.436	0.411	0.144	0.022	0.004	0.041	0.445	6.26	4.45 B	30
31	1.75 B		0.990E		0.382		0.023	0.004		0.363		3.30 B	31
TOTAL	68.850	30.529	99.205	31.828	27.158	4.685	1.620	0.305	0.512	37.718	93.566	74.770	TOTAL
MEAN	2.22	1.09	3.20	1.06	0.876	0.156	0.052	0.010	0.017	1.22	3.12	2.41	MEAN
MAX	8.95	3.64	12.0	2.69	3.28	0.332	0.162	0.019	0.041	3.89	10.2	6.05	MAX
MIN	0.445	0.545	0.350	0.436	0.212	0.070	0.019	0.004	0.003	0.065	0.209	0.960	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.29
MAXIMUM DAILY, 12.0B ON MAR 14
MINIMUM DAILY, 0.003 ON SEP 03

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 02 10 N
LONG 081 20 10 W
DRAINAGE AREA, 50.5 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	5 950	JUL	140
FEB	2 640	AUG	26.4
MAR	8 570	SEP	44.2
APR	2 750	OCT	3 260
MAY	2 350	NOV	8 080
JUN	405	DEC	6 460

TOTAL DISCHARGE, 40 700 dam³

STONEY CREEK AT STONEY CREEK - STATION NO. 02HA022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.029	0.149	0.129B	0.078	0.013	0.014	0.005	0	0.002	0.005	0.010	0.047	1
2	0.023B	0.461B	0.088B	0.256	0.010	0.011	0.002	0	0.001	0.008	0.008	0.037	2
3	0.028B	0.271B	0.083B	0.461	0.007	0.040	0.001	0.001	0.002	0.012	0.007	0.090B	3
4	0.119B	0.173B	0.069B	0.596	0.031	0.020	0.008	0	0.007	0.039	0.008	0.468B	4
5	0.138	0.148B	0.058B	0.323	0.036	0.007	0.003	0.001	0.005	0.006	0.168	0.674	5
6	0.116B	0.138B	0.049B	0.140	0.031	0.006	0.002	0	0.003	0.006	0.589	0.372	6
7	0.105B	0.223	0.043B	0.088	0.023	0.006	0.001	0.001	0.008	0.007	0.548	0.201	7
8	0.094B	0.795	0.038B	0.065	0.015	0.035	0.060	0	0.002	0.013	0.208	0.194	8
9	0.148B	3.68	0.050B	0.051	0.010	0.011	0.036	0	0.002	0.089	0.114	0.233	9
10	0.362B	1.79	0.138	0.389	0.026	0.006	0.003	0	0.139	0.086	0.087	0.271	10
11	0.654B	0.276B	1.44	2.51	0.008	0.006	0.002	0.009	0.007	0.116	0.074	0.175	11
12	0.549B	0.177B	3.91 B	0.526	0.015	0.005	0.002	0.028	0.004	0.185	0.057	0.100	12
13	0.354B	0.156	4.48 B	0.186	0.310	0.005	0.002	0.086	0.003	0.291	0.049	0.088	13
14	0.236B	0.477	2.25	0.151	0.479	0.005	0.003	0.006	0.084	0.305	0.039	0.075	14
15	0.184B	0.190	0.801	0.236	0.170	0.004	0.061	0.002	0.007	0.153	0.036	0.060B	15
16	0.231B	0.113	0.361	0.134	0.548	0.003	0.003	0.001	0.005	0.073	0.035	0.078B	16
17	1.57 B	0.091B	0.222	0.105	1.10	0.004	0.007	0.001	0.005	0.082	0.029	0.112	17
18	4.53 B	0.083B	0.139	0.085	0.483	0.010	0.001	0.022	0.006	0.115	0.024	0.222B	18
19	1.36	0.066B	0.113B	0.061	0.242	0.004	0.001	0.093	0.009	0.146	0.021	0.584	19
20	0.594	0.052B	0.110B	0.070	0.516	0.003	0.020	0.009	0.004	0.097	0.019	0.357	20
21	0.246B	0.062B	0.108B	0.156	1.23	0.003	0.002	0.008	0.004	0.060	0.016	0.234	21
22	0.148B	0.630B	0.105B	0.112	0.434	0.020	0.026	0.004	0.004	0.053	0.024	0.688	22
23	0.110B	4.10 B	0.102	0.063	0.170	0.008	0.007	0.004	0.003	0.040	0.029	2.72 B	23
24	0.314B	1.54 B	0.080	0.047	0.095	0.004	0.002	0.003	0.002	0.036	0.030	1.40 B	24
25	0.646B	0.529B	0.055	0.038	0.065	0.003	0.001	0.003	0.002	0.029	0.033	0.366B	25
26	0.590B	0.454B	0.044	0.026	0.049	0.002	0	0.002	0.002	0.023	0.027	0.162B	26
27	0.319B	0.251B	0.034B	0.020	0.036	0.007	0.001	0.082	0.002	0.017	0.087	0.108B	27
28	0.287B	0.148B	0.028B	0.020	0.025	0.002	0	0.176	0.001	0.015	0.154	0.077	28
29	0.177B		0.028	0.016	0.031	0.004	0	0.010	0.015	0.013	0.100	1.32 B	29
30	0.124		0.053	0.012	0.022	0.003	0.006	0.004	0.067	0.011	0.060	4.62 B	30
31	0.087		0.078		0.018		0.001	0.002		0.011		1.41 B	31
TOTAL	14.472	17.223	15.286	7.021	6.248	0.261	0.269	0.558	0.407	2.142	2.690	18.143	TOTAL
MEAN	0.467	0.615	0.493	0.234	0.202	0.009	0.009	0.018	0.014	0.069	0.090	0.585	MEAN
MAX	4.53	4.10	4.48	2.51	1.23	0.040	0.061	0.176	0.139	0.305	0.589	4.62	MAX
MIN	0.023	0.052	0.028	0.012	0.007	0.002	0	0	0.001	0.005	0.007	0.037	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.232
MAXIMUM DAILY, 4.62B ON DEC 30
MINIMUM DAILY, 0 ON JUL 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 13 31 N
LONG 079 45 05 W
DRAINAGE AREA, 20 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 250	JUL	23.2
FEB	1 490	AUG	48.2
MAR	1 320	SEP	35.2
APR	607	OCT	185
MAY	540	NOV	232
JUN	22.5	DEC	1 570

TOTAL DISCHARGE, 7 320 dam³

STURGEON CREEK NEAR LEAMINGTON - STATION NO. 02GH001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.040B	0.206	0.210B	0.332	0.092	0.015	0.083	0.023	0.033	0.098	0.084	0.145	1
2	0.044B	0.973	0.215B	0.369	0.090	0.023	0.053	0.004	0.021	0.091	0.082	0.125	2
3	0.074B	0.456	0.240B	0.328	0.086	0.060	0.041	0.008	0.021	0.079	0.085	2.14	3
4	1.24 B	0.323	0.203B	0.312	0.279	0.034	0.027	0.016	0.027	0.178	0.087	1.19	4
5	0.378	0.264	0.185B	0.253	0.274	0.030	0.017	0.029	0.032	0.132	0.350	0.432	5
6	0.223	0.321	0.178B	0.218	0.203	0.032	0.014	0.018	0.487	0.102	0.443	0.299	6
7	0.163	0.399	0.172B	0.218	0.145	0.033	0.001	0.013	5.02	0.092	0.237	0.251	7
8	0.148	0.299	0.188B	0.200	0.118	0.099	0.008	0.005	0.622	0.106	0.168	0.208	8
9	0.257	0.247	0.655	0.184	0.103	0.072	0.039	0.005	0.365	0.561	0.160	0.187	9
10	0.421	0.196	0.642	0.886	0.104	0.052	0.001	0.006	0.284	1.14	0.179	0.174	10
11	0.284	0.159	0.550	0.800	0.082	0.051	0.020	0.010	0.327	0.799	0.144	0.162	11
12	0.215	0.134	0.433	0.441	0.095	0.051	0.030	0.067	0.202	0.375	0.121	0.152	12
13	0.187B	0.136	0.344	0.332	0.686	0.058	0.015	0.360	0.162	0.279	0.108	0.139	13
14	0.138	0.119	0.292	0.395	0.382	0.053	0.219	0.082	0.311	0.214	0.100	0.115	14
15	0.131	0.224	0.246	0.326	0.260	0.063	0.113	0.028	0.375	0.170	0.102	0.156	15
16	0.157	0.522	0.303	0.251	0.743	0.064	0.057	0.011	0.495	0.144	0.101	0.162	16
17	0.609	0.450	0.290	0.213	0.366	0.059	0.048	0.014	0.292	0.133	0.090	0.156	17
18	1.19	0.294	0.215	0.170	0.188	0.060	0.033	0.033	0.185	0.328	0.082	0.305	18
19	0.428	0.291	0.246	0.163	0.118	0.046	0.024	0.317	0.486	0.211	0.085	0.377	19
20	0.323	0.196	0.225	0.236	0.098	0.055	0.034	0.140A	0.352	0.164	0.079	0.250	20
21	0.313	0.152	0.208	0.420	0.066	0.077	0.048	0.184A	0.332	0.145	0.079	0.441	21
22	0.312	2.98	0.206	0.268	0.046	0.067	0.077	0.114	0.657	0.158	0.204	0.621	22
23	0.312	1.49	0.209	0.201	0.038	0.076	0.056	0.077	0.277	0.157	0.201	0.605	23
24	0.395	0.602B	0.175	0.165	0.034	0.083	0.031	0.061	0.188	0.139	0.164	0.360B	24
25	0.348	0.446B	0.166	0.144	0.035	0.062	0.020	0.045	0.151	0.123	0.145	0.240B	25
26	0.241	0.316B	0.155	0.128	0.055	0.037	0.007	0.037	0.136	0.108	0.127	0.190B	26
27	0.195	0.251B	0.149	0.117	0.033	0.054	0.006	0.045	0.124	0.104	0.223	0.165B	27
28	0.191	0.230B	0.150	0.111	0.027	0.095	0.007	0.045	0.121	0.096	0.356	0.155B	28
29	0.186		0.153	0.102	0.024	0.083	0.010	0.044	0.114	0.090	0.251	3.77 B	29
30	0.163B		0.215	0.097	0.020	0.092	0.057	0.035	0.113	0.092	0.172	3.98	30
31	0.149		0.218		0.016		0.048	0.034		0.084		1.10	31
TOTAL	9.455	12.676	8.036	8.380	4.906	1.736	1.244	1.910	12.312	6.691	4.809	18.952	TOTAL
MEAN	0.305	0.453	0.259	0.279	0.158	0.058	0.040	0.062	0.410	0.216	0.160	0.611	MEAN
MAX	1.24	2.98	0.655	0.886	0.743	0.399	0.219	0.360	5.02	1.14	0.443	3.98	MAX
MIN	0.040	0.119	0.149	0.097	0.016	0.015	0.001	0.004	0.021	0.079	0.079	0.115	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.250
MAXIMUM DAILY, 5.02 ON SEP 07
MINIMUM DAILY, 0.001 ON JUL 07
MAXIMUM INSTANTANEOUS,
6.08 AT 12:33 EST ON FEB 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 02 44 N
LONG 082 34 29 W
DRAINAGE AREA, 14.2 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	817	JUL	107
FEB	1 100	AUG	165
MAR	694	SEP	1 060
APR	724	OCT	578
MAY	424	NOV	415
JUN	150	DEC	1 640

TOTAL DISCHARGE, 7 870 dam³

STURGEON RIVER AT CRYSTAL FALLS - STATION NO. 02DC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	34.8	59.6	56.8	93.1	245	160	170	58.9	37.5	38.2	86.2	253	1
2	34.7	57.1	56.5	91.2	221	138	179	56.9	34.9	46.0	83.8	241	2
3	33.8	56.2	54.0	89.8	192	134	165	55.5	31.9	43.5	87.7	208	3
4	33.8	59.9	48.8	87.2	147	128	149	54.5	33.6	50.9	87.7	170	4
5	37.6	56.1	48.7	82.5	141	125	141	55.3	35.2	52.2	90.5	160	5
6	40.2	57.0	47.2	83.6	132	112	135	54.6	32.1	52.2	97.0	167	6
7	44.6	57.0	52.4	80.9	120	98.2	129	51.1	31.0	49.0	94.7	152	7
8	48.5	56.4	55.7	76.9	110	93.6	119	54.1	30.3	47.0	91.5	160	8
9	55.4	54.8	59.2	76.1	107	90.4	115	48.6	30.0	46.3	94.1	161	9
10	55.2	54.2	57.5	79.0	113	87.9	113	47.0	31.0	50.4	95.0	143	10
11	54.6	53.5	57.6	80.5	135	83.4	119	43.5	30.0	107	90.8	142	11
12	55.2	52.4	54.3	76.1	136	78.7	73.0	43.8	30.0	116	89.1	145	12
13	54.3	53.8	54.2	65.9	130	76.1	73.4	43.2	27.0	108	86.6	144	13
14	53.2	51.4	59.1	62.6	130	76.1	78.8	42.0	20.4	97.8	81.9	127	14
15	54.7	51.7	69.0	64.1	136	75.1	78.5	41.6	17.9	83.8	79.6	133	15
16	55.2	56.2	92.0	64.9	138	72.7	75.8	40.0	12.3	91.7	75.0	151	16
17	55.7	52.1	113	66.6	193	70.5	74.5	40.0	10.2	98.1	106	136	17
18	57.6	53.7	120	67.3	380	71.5	70.1	40.0	14.2	108	105	130	18
19	56.4	54.9	---	67.3	479	76.5	71.9	40.0	18.3	130	102	129	19
20	57.3	51.8	119	82.3	488	76.9	68.2	40.0	18.3	142	98.8	122	20
21	56.3	49.6	118	89.9	452	78.4	63.4	40.0	17.5	140	92.6	118	21
22	55.4	49.1	115	106	416	80.6	63.1	40.4	18.7	148	99.3	114	22
23	57.3	49.6	111	138	386	85.8	60.9	41.8	24.7	151	110	116	23
24	57.9	49.5	113	165	324	114	60.9	41.8	25.1	139	111	108	24
25	57.9	45.1	129	214	294	143	60.9	45.8	25.9	137	111	99.1	25
26	59.2	45.8	122	248	---	142	63.7	43.4	29.3	130	107	96.6	26
27	63.6	50.5	113	265	238	144	59.4	41.0	30.1	125	114	95.5	27
28	63.3	55.9	107	270	221	152	57.1	39.4	27.2	122	194	98.9	28
29	62.5		97.7	268	195	158	56.8	36.1	27.1	120	274	103	29
30	61.8		95.8	265	179	166	58.0	37.2	34.2	119	284	112	30
31	60.9		91.0		179		59.0	41.8		102		96.1	31
TOTAL	1 628.7	1 494.9	---	3 566.8	---	3 188.4	2 861.3	1 389.3	785.9	2 991.1	3 319.9	4 331.2	TOTAL
MEAN	52.5	53.4	---	119	---	106	92.3	44.8	26.2	96.5	111	140	MEAN
MAX	63.6	59.9	---	270	---	166	179	58.9	37.5	151	284	253	MAX
MIN	33.8	45.1	---	62.6	---	70.5	56.8	31.0	10.2	38.2	75.0	95.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 488 ON MAY 20
MINIMUM DAILY, 10.2 ON SEP 17

DATA CONTRIBUTED BY -
ONTARIO HYDRO

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 46 27 00 N
LONG 079 51 47 W
DRAINAGE AREA, 6 660 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	141 000	JUL	247 000
FEB	129 000	AUG	120 000
MAR	---	SEP	67 900
APR	308 000	OCT	258 000
MAY	---	NOV	287 000
JUN	275 000	DEC	374 000

STURGEON RIVER AT MCDOUGALL MILLS - STATION NO. 05QA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.90	9.75	9.26	9.77	28.2	56.2	81.9	56.7	28.8	16.2	13.3	11.9	1
2	8.95	9.69	9.09	9.84	32.6	57.0	82.0	55.2	27.8	16.1	13.0	11.9	2
3	9.00	9.74	9.03	9.94	35.9	58.2	82.1	54.2	26.8	16.6	12.6	11.8	3
4	8.97	9.83	8.95	9.93	39.2	58.6	79.7	53.8	26.5	16.7	12.7	11.8	4
5	8.89	9.84	8.92	9.86	42.1	58.9	78.1	52.4	25.2	16.4	12.7	11.9	5
6	8.87	9.80	8.93	9.87	44.7	58.9	76.9	51.0	25.0	16.2	12.3	11.8	6
7	9.00	9.84	8.94	9.99	49.5	60.2	78.6	49.5	24.0	16.2	12.3	11.9	7
8	9.22	9.81	8.87	10.1	53.6	61.0	83.4	48.6	23.3	16.1	12.2	11.9	8
9	9.21	9.76	8.81	10.1	57.8	62.5	87.3	47.9	23.1	15.8	12.0	11.8	9
10	9.34	9.72	8.74	10.1	61.4	63.5	90.6	46.4	22.3	15.7	11.7	11.8	10
11	9.60	9.75	8.71	10.1	64.9	64.0	93.4	45.3	22.0	15.5	11.6	11.8	11
12	9.55	9.76	8.76	10.2	67.3	64.6	93.5	44.1	22.1	15.4	11.6	11.9	12
13	9.57	9.59	8.83	10.2	69.7	64.4	93.3	42.4	21.4	15.5	11.7	12.0	13
14	9.63	9.55	8.89	10.3	71.1	63.8	92.8	41.3	20.7	15.5	11.7	12.0	14
15	9.55	9.56	9.20	10.5	72.1	63.3	91.5	40.4	20.2	15.3	11.7	12.0	15
16	9.55	9.56	9.54	10.5	72.9	62.9	89.0	39.8	19.9	15.1	11.5	12.0	16
17	9.57	9.50	9.52	10.6	72.4	63.0	87.4	39.7	19.4	15.2	11.5	11.9	17
18	9.51	9.56	9.45	10.8	71.7	64.9	85.1	38.9	19.3	15.0	11.4	11.9	18
19	9.50	9.49	9.50	11.0	72.6	65.7	82.6	37.3	19.1	15.1	11.3	11.8	19
20	9.57	9.58	9.59	11.1	71.8	66.5	80.2	35.8	19.1	14.9	11.4	12.0	20
21	9.63	9.60	9.62	11.2	71.1	67.4	77.8	34.9	19.0	14.5	11.7	12.2	21
22	9.71	9.51	9.54	11.7	70.1	69.5	75.8	34.3	19.1	14.4	11.6	12.3	22
23	9.74	9.44	9.45	12.1	70.0	70.0	73.1	33.6	18.3	14.6	11.6	12.3	23
24	9.79	9.32	9.53	12.6	68.9	70.0	70.9	33.3	18.2	14.5	11.9	12.4	24
25	9.84	9.26	9.56	13.9	67.7	71.7	69.2	32.9	18.2	14.2	11.9	12.3	25
26	9.90	9.31	9.54	15.3	66.4	76.1	67.5	32.2	17.5	13.9	11.9	12.3	26
27	9.88	9.27	9.58	16.9	65.1	77.9	65.7	31.7	17.4	13.6	11.9	12.4	27
28	9.78	9.28	9.66	19.4	63.8	80.2	63.7	30.8	17.1	13.5	12.0	12.6	28
29	9.83		9.72	21.9	61.6	81.1	61.8	30.4	16.9	13.5	12.1	12.5	29
30	9.77		9.78	24.9	59.6	82.3	59.7	29.8	16.4	13.4	12.1	12.5	30
31	9.78		9.81		58.0		57.8	29.3		13.4		12.5	31
TOTAL	293.60	268.67	287.32	365.00	1 873.1	1 984.3	2 452.4	1 273.9	633.9	468.0	358.9	373.9	TOTAL
MEAN	9.47	9.60	9.27	12.2	60.4	66.1	79.1	41.1	21.1	15.1	12.0	12.1	MEAN
MAX	9.90	9.84	9.81	24.9	72.9	82.3	93.5	56.7	28.8	16.7	13.3	12.6	MAX
MIN	8.87	9.26	8.71	9.77	28.2	56.2	57.8	29.3	16.4	13.4	11.3	11.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 29.1
MAXIMUM DAILY, 93.5 ON JUL 12
MINIMUM DAILY, 8.71 ON MAR 11
MAXIMUM INSTANTANEOUS,
94.3 AT 16:20 CST ON JUL 11

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 10 20 N
LONG 091 32 30 W
DRAINAGE AREA, 4 450 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	25 400	JUL	212 000
FEB	23 200	AUG	110 000
MAR	24 800	SEP	54 800
APR	31 500	OCT	40 400
MAY	162 000	NOV	31 000
JUN	171 000	DEC	32 300

TOTAL DISCHARGE, 918 000 dam³

STURGEON RIVER AT OUTLET OF SALVESEN LAKE - STATION NO. 05QE009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.99	2.06	2.22	2.86	14.3	12.7	14.8	10.3 E	5.10	3.15	2.06	1.85	1
2	2.03	2.04	2.14	2.93	15.0	13.6	14.6	10.0 A	4.93	3.20	2.00	1.77	2
3	2.09	2.07	2.05	3.08	15.7	14.7	14.5	9.75	5.02	3.11	1.91	1.75	3
4	2.06	2.13	2.05	3.19	16.3	15.7	14.5	9.30	5.18	2.99	1.89	1.77	4
5	2.07	2.14	2.04	3.27	16.7	16.2	14.3	8.95	5.01	2.88	1.87	1.82	5
6	2.06	2.12	2.06	3.33	17.0	16.2	14.2	8.82	5.00	2.83	1.82	1.81	6
7	2.15	2.16	2.11	3.36	17.4	16.3	15.7	8.60	4.76	2.75	1.81	1.82	7
8	2.26	2.18	2.13	3.44	17.3	16.2	16.6	8.29	4.67	2.74	1.81	1.85	8
9	2.25	2.16	2.16	3.51	17.3	16.2	16.9	8.02	4.53	2.77	1.80	1.87	9
10	2.26	2.13	2.15	3.51	17.3	16.3	16.8	7.85	4.41	2.77	1.74	1.83	10
11	2.32	2.13	2.12	3.47	17.2	16.4	16.4	7.59	4.39	2.66	1.71	1.81	11
12	2.26	2.18	2.15	3.48	16.8	16.5	15.9	7.38	4.36	2.60	1.69	1.87	12
13	2.16	2.06	2.18	3.51	16.6	16.4	15.6	7.13	4.10	2.62	1.72	1.85	13
14	2.19	2.03	2.20	3.56	16.2	16.2	15.4	6.88	3.94	2.63	1.76	1.84	14
15	2.18	2.05	2.40	3.58	15.9	15.9	15.2	6.72	3.89	2.56	1.77	1.81	15
16	2.18	2.07	2.67	3.58	15.7	15.8	15.0	6.74	3.74	2.51	1.76	1.81	16
17	2.19	2.04	2.66	3.56	15.4	15.7	14.7	7.09	3.66	2.47	1.78	1.77	17
18	2.14	2.12	2.59	3.67	15.2	15.6	14.5	6.86	3.86	2.40	1.78	1.73	18
19	2.11	2.10	2.63	3.90	15.3	15.7	14.3	6.45	4.01	2.37	1.74	1.69	19
20	2.14	2.18	2.69	4.33	15.1	15.6	14.0A	6.24	3.91	2.31	1.78	1.74	20
21	2.18	2.24	2.68	5.29	14.8	15.8	13.7E	6.13	3.93	2.24	1.90	1.72	21
22	2.21	2.15	2.69	6.73	14.5	16.4	13.4E	6.04	3.90	2.23	1.85	1.73	22
23	2.15	2.14	2.60	8.26	14.5	16.7	13.1E	5.96	3.78	2.21	1.84	1.72	23
24	2.23	2.05	2.62	9.45	14.3	16.7	12.8E	5.91	3.81	2.20	1.85	1.70	24
25	2.20	2.02	2.66	10.4	14.1	16.6	12.5E	5.79	3.74	2.17	1.82	1.68	25
26	2.22	2.11	2.60	11.1	13.9	16.3	12.2E	5.65	3.67	2.20	1.83	1.62A	26
27	2.19	2.13	2.60	11.3	13.8	15.9	11.8E	5.61	3.58	2.14	1.86	1.63E	27
28	2.09	2.16	2.62	11.8	13.6	15.6	11.5E	5.57	3.41	2.14	1.87	1.64E	28
29	2.08		2.67	12.6	13.3	15.2	11.2E	5.47	3.31	2.10	1.88	1.64E	29
30	2.10		2.74	13.4	13.1	15.1	10.9E	5.37	3.19	2.08	1.91	1.65E	30
31	2.06		2.81		13.0		10.6E	5.29		2.08		1.65E	31
TOTAL	66.80	59.15	74.69	169.45	476.6	474.2	437.6	221.75	124.79	78.11	54.81	54.44	TOTAL
MEAN	2.15	2.11	2.41	5.65	15.4	15.8	14.1	7.15	4.16	2.52	1.83	1.76	MEAN
MAX	2.32	2.24	2.81	13.4	17.4	16.7	16.9	10.3	5.18	3.20	2.06	1.87	MAX
MIN	1.99	2.02	2.04	2.86	13.0	12.7	10.6	5.29	3.19	2.08	1.69	1.62	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.28
MAXIMUM DAILY, 17.4 ON MAY 07
MINIMUM DAILY, 1.62A ON DEC 26
MAXIMUM INSTANTANEOUS,
17.6 AT 15:23 CST ON MAY 07

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 21 20 N
LONG 094 27 30 W
DRAINAGE AREA, 1 530 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 770	JUL	37 800
FEB	5 110	AUG	19 200
MAR	6 450	SEP	10 800
APR	14 600	OCT	6 750
MAY	41 200	NOV	4 740
JUN	41 000	DEC	4 700

TOTAL DISCHARGE, 198 000 dam³

STURGEON RIVER AT STURGEON BAY - STATION NO. 02ED018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.20B	1.20	1.18 B	1.48	1.03	0.751	1.11	0.785	0.500	1.35	0.870	1.69	1
2	1.10B	1.18	1.15 B	1.90	0.958	1.13	1.00	0.685	0.495	1.28	0.872	1.64	2
3	1.05B	1.13 B	1.18 B	2.95	0.905	1.10	0.868	0.633	0.493	1.04	0.850	1.34	3
4	1.20B	1.10 B	1.11 B	3.00	0.887	0.927	0.757	0.605	0.495	1.12	0.858	1.29	4
5	1.62B	1.07 B	1.06 B	2.94	0.908	0.821	0.670	0.638	0.597	1.19	1.06	1.29E	5
6	1.58B	1.05 B	1.01 B	2.42	0.852	0.804	0.632	0.645	0.781	1.08	2.82	1.26	6
7	1.37B	1.04	0.980B	1.99	0.960	0.778	0.606	0.632	0.758	0.967	2.46	1.21	7
8	1.32B	1.05	0.950B	1.74	1.18	0.739	0.664	0.600	0.702	0.878	2.06	1.19	8
9	1.21	1.59	0.930B	1.66	1.10	0.916	1.06	0.573	0.651	1.33	1.67	1.22	9
10	1.36B	2.26	0.970B	2.48	1.44	1.23	0.773	0.555	0.747	2.00	1.56	1.52	10
11	1.39	1.70 B	1.22	3.21	1.34	0.885	0.675	0.535	0.779	1.95	1.49	1.35	11
12	1.35B	1.19 B	3.74 B	2.57	1.20	0.781	0.635	0.538	0.654	1.65	1.43	1.23	12
13	1.27B	1.11 B	6.53 B	2.15	1.11	0.818	0.590	0.765	0.625	1.61	1.30	1.53	13
14	1.23B	1.10 B	9.98 B	1.99	1.01	0.918	0.572	1.12	0.641	1.42	1.19	1.37B	14
15	1.17B	1.02 B	11.7 B	2.05	1.02	0.769	1.02	0.829	0.920	1.24	1.26	1.29B	15
16	1.11	0.990B	8.28	1.94	1.06	0.726	1.03	0.718	0.885	1.12	1.52	1.25B	16
17	1.38	0.970B	5.40 B	2.19	2.78	0.698	0.834	0.629	0.761	1.09	1.66	1.51	17
18	2.29	0.960B	4.23	1.87	3.72	0.676	0.749	0.628	0.695	1.17	1.38	1.35	18
19	2.15B	0.940B	3.17	1.64	2.80	0.672	0.781	0.598	0.694	1.26	1.20	1.57	19
20	1.70B	0.930B	2.48	1.69	2.27	0.666	1.18	0.584	0.726	1.17	1.10	1.38B	20
21	1.50B	0.925B	2.12	2.11	2.38	0.673	0.885	0.555	0.693	1.02	1.08	1.23B	21
22	1.42B	0.920B	2.15	1.92	1.97	0.663	0.770	0.557	0.808	0.949	2.59	1.97	22
23	1.35	1.96 B	2.74	1.74	1.57	0.784	0.741	0.561	0.964	0.905	2.83	2.49	23
24	1.29	1.72 B	2.28	1.61	1.26	0.917	0.678	0.557	1.09	0.841	2.31	1.70B	24
25	1.37	1.68 B	1.91	1.51	1.28	0.766	0.627	0.529	0.932	0.854	2.00	1.40B	25
26	1.67	1.43 B	1.82	1.40	1.13	0.700	0.596	0.525	0.852	0.858	1.69	1.26B	26
27	1.61	1.35 B	1.60	1.33	0.991	0.673	0.573	0.520	0.785	0.838	2.32	1.21B	27
28	1.57B	1.29 B	1.47	1.24	0.910	0.644	0.546	0.533	0.729	0.981	2.87	1.17B	28
29	1.48B		1.35	1.13	0.853	0.896	0.530	0.539	0.729	0.970	2.47	1.70B	29
30	1.45		1.31	1.07	0.815	1.04	1.06	0.520	1.30	0.929	1.89	3.10B	30
31	1.28		1.38		0.791		1.22	0.505		0.898		1.99B	31
TOTAL	44.04	34.855	87.380	58.92	42.480	24.461	24.432	19.196	22.481	35.958	50.660	46.40	TOTAL
MEAN	1.42	1.24	2.82	1.96	1.37	0.815	0.788	0.619	0.749	1.16	1.69	1.50	MEAN
MAX	2.29	2.26	11.7	3.21	3.72	1.23	1.22	1.12	1.30	2.00	2.87	3.10	MAX
MIN	1.05	0.920	0.930	1.07	0.791	0.644	0.530	0.505	0.493	0.838	0.850	1.17	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.35
MAXIMUM DAILY, 11.7B ON MAR 15
MINIMUM DAILY, 0.493 ON SEP 03
MAXIMUM INSTANTANEOUS,
14.1 AT 00:30 EST ON MAR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 43 49 N
LONG 079 43 11 W
DRAINAGE AREA, 103 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 810	JUL	2 110
FEB	3 010	AUG	1 660
MAR	7 550	SEP	1 940
APR	5 090	OCT	3 110
MAY	3 670	NOV	4 380
JUN	2 110	DEC	4 010

TOTAL DISCHARGE, 42 500 dam³

STURGEON RIVER AT UPPER GOOSE FALLS - STATION NO. 02DC012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.21E	5.55E	5.32E	19.0	98.2	34.3	51.4	7.10E	2.58E	3.99	16.9	37.0	1
2	5.21E	5.57E	5.30E	18.1	87.6	30.8	50.4	6.80E	2.58E	4.52	16.2	37.3	2
3	5.28	5.59E	5.27E	17.2	77.0	28.3	48.8	6.60E	2.59E	4.45	15.4	35.6	3
4	5.29E	5.59E	5.20E	16.5	66.6	26.6	45.8	6.18E	2.59E	4.48	15.0	33.2 B	4
5	5.20E	5.60E	5.18E	16.1	58.4	24.1	40.5	6.12E	2.54E	4.71	14.6	31.1 B	5
6	5.07E	5.60E	5.19E	15.7	50.8	22.6	37.2	6.00E	2.50E	5.12	14.9	29.7	6
7	4.94E	5.65E	5.20E	15.2	44.3	21.9	33.6	5.70E	2.47E	5.43	14.7	27.7	7
8	4.94E	5.62E	5.28E	15.0	41.8	19.8	31.6	5.16E	2.42E	5.68	14.4	25.4 B	8
9	4.72E	5.60E	5.38E	14.8	40.4	19.0	29.5	5.10E	2.38E	5.92	14.2	24.5	9
10	4.68E	5.60E	5.50E	14.8	39.9	18.9	26.8	4.83E	2.34E	5.88	13.6	22.4	10
11	4.62E	5.60E	5.65E	14.6	41.8	18.7	24.1	4.60E	2.36A	6.72	13.2	21.1	11
12	4.62E	5.60E	5.90E	14.5	43.6	18.1	22.7	4.40E	2.26	7.00	12.8	19.2 B	12
13	4.60E	5.60E	6.20E	14.2	44.4	18.7	21.3	4.20E	2.25	7.20	12.2	17.8 B	13
14	4.60E	5.60E	7.30E	14.3	43.7	18.8	19.5	4.06E	2.29	7.47	11.7	16.3	14
15	4.60E	5.60E	8.80E	14.5	41.6	18.0	17.6	3.99E	2.32	8.54	11.3	15.5 B	15
16	4.64E	5.60E	11.0 E	14.5	38.9	18.0	16.4	3.85E	2.29	9.33	11.3	14.7 B	16
17	4.78E	5.60E	14.0 E	15.2	41.8	17.8	15.4	3.68E	2.20	9.91	12.3	14.0 B	17
18	4.84E	5.60E	16.5 E	15.5	95.2	17.7	14.5	3.52E	2.19	12.8	12.8	13.2 B	18
19	4.96E	5.59E	18.5 E	15.6	146	18.6	13.8	3.42E	2.22	17.5	13.2	12.7 B	19
20	4.90E	5.58E	19.7 E	16.9	155	17.1	13.1 A	3.32E	2.38	21.2	13.7	12.2	20
21	4.90E	5.56E	26.4	19.4	142	15.5	12.3 E	3.22E	2.47	24.2	14.0	12.3 B	21
22	4.90E	5.50E	31.5	24.5	126	14.7	11.9 E	3.06E	2.89	25.4	15.5	12.5 B	22
23	4.90E	5.45E	34.0	35.2	111	14.7	11.2 E	3.04E	3.19	26.0	16.7	11.7 B	23
24	4.90E	5.43E	34.0	50.5	96.8	16.5	10.6 E	2.95E	3.24	25.4	18.6	10.9 B	24
25	5.13E	5.41E	32.4	72.0A	84.2	32.7	10.0 E	2.90E	3.46	24.2	20.2	10.3 B	25
26	5.15E	5.40E	29.8	98.1	72.6	39.4	9.50E	2.82E	3.73	22.4	21.0	9.90B	26
27	5.13E	5.39E	27.2	115	62.6	46.6	8.80E	2.75E	3.83	20.8	22.4	9.61	27
28	5.13E	5.38E	25.2	121	54.9	49.7	8.45E	2.78E	3.91	20.1	26.2	9.40B	28
29	5.13E		22.9	118	47.9	50.1	8.10E	2.75E	3.81	19.3	31.4	9.20B	29
30	5.10E		21.1	110	42.3	51.9	7.70E	2.68E	3.80	18.3	35.3	8.90B	30
31	5.22E		19.9		38.0		7.45E	2.62E		17.5		8.76	31
TOTAL	153.29	155.46	470.77	1 075.9	2 175.3	772.0	679.70	130.46	82.08	401.75	495.4	573.77	TOTAL
MEAN	4.94	5.55	15.2	35.9	70.2	25.7	21.9	4.21	2.74	13.0	16.5	18.5	MEAN
MAX	5.29	5.65	34.0	121	155	51.9	51.4	7.10	3.91	26.0	35.3	37.3	MAX
MIN	4.60	5.38	5.18	14.2	38.0	14.7	7.45	2.62	2.19	3.99	11.3	8.76	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 19.6
MAXIMUM DAILY, 155 ON MAY 20
MINIMUM DAILY, 2.19 ON SEP 18
MAXIMUM INSTANTANEOUS,
158 AT 22:51 EST ON MAY 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 58 13 N
LONG 080 27 27 W
DRAINAGE AREA, 1 200 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	13 200	JUL	58 700
FEB	13 400	AUG	11 300
MAR	40 700	SEP	7 090
APR	93 000	OCT	34 700
MAY	188 000	NOV	42 800
JUN	66 700	DEC	49 600

TOTAL DISCHARGE, 619 000 dam³

STURGEON RIVER NEAR GLEN AFTON - STATION NO. 02DC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.2B	14.3B	13.8B	44.2B	158	99.3	100	23.4	10.8	22.5	36.4	91.8	1
2	11.1B	14.5B	13.8B	43.8B	148	91.8	98.3	23.1	11.1	24.7	35.4	88.5	2
3	11.1B	14.7B	13.5B	43.0B	134	87.1	92.9	21.8	11.1	25.8	34.3	79.7	3
4	11.1B	14.8B	13.4B	42.0B	120	81.8	87.5	21.4	11.6	27.0	33.6	67.7	4
5	11.1B	14.8B	13.4B	41.7B	107	77.0	81.3	21.7	11.7	26.8	33.4	61.9B	5
6	11.1B	14.8B	13.4B	41.0B	96.9	71.6	74.4	21.4	10.7	25.8	35.1	56.5B	6
7	11.2B	14.8B	13.6B	40.8B	87.9	67.8	68.1	20.8	9.65	24.9	35.5	52.5B	7
8	11.2B	14.8B	13.8B	40.3B	82.7	63.9	62.9	19.9	8.85	23.9	35.1	49.0B	8
9	11.2B	14.8B	14.0B	40.2B	81.8	60.4	59.9	18.6	8.73	22.7	34.2	45.5B	9
10	11.3B	14.7B	14.3B	40.1B	81.7	56.7	57.1	17.6	8.59	21.3	33.6	43.0B	10
11	11.3B	14.7B	14.8B	40.0B	86.2	53.3	54.8	16.7	8.71	24.5	32.9	40.0B	11
12	11.3B	14.7B	15.3B	41.2	87.9	48.6	52.4	16.5	8.39	25.1	31.8	37.6B	12
13	11.4B	14.6B	16.2B	40.6	86.7	45.7	49.8	15.9	8.17	25.7	31.0	35.6B	13
14	11.5B	14.6B	18.0B	40.6	85.1	45.1	47.6	15.5	8.81	24.5	30.0	33.8B	14
15	11.6B	14.5B	20.5B	40.8	83.0	43.8	45.3	15.0	10.5	24.2	31.8	32.0B	15
16	11.8B	14.4B	23.5B	40.9	80.1	42.0	42.3	14.4	13.1	24.6	32.1	30.5B	16
17	11.9B	14.3B	27.5B	41.6	96.7	41.0	39.9	13.9	14.9	27.1	34.1	29.2B	17
18	12.1B	14.2B	31.2B	42.6	218	40.8	38.5	13.5	15.4	33.5	35.8	27.7B	18
19	12.2B	14.2B	38.5B	43.4	257	43.1	36.9	13.2	15.3	43.2	36.4	26.8B	19
20	12.5B	14.1B	45.0B	44.6	258	44.1	35.4	13.0	15.1	47.2	36.7	26.2B	20
21	12.7B	14.1B	52.0B	47.4	253	44.7	34.2	12.7	15.0	49.6	37.2	25.6B	21
22	12.9B	14.1B	54.0B	52.9	245	45.4	33.4	12.7	16.0	52.2	40.9	25.3B	22
23	13.1B	14.0B	56.0B	63.9	234	49.9	32.9	12.4	17.9	52.4	44.9	24.9B	23
24	13.3B	14.0B	62.0B	83.7	216	64.5	32.0	11.5	20.2	50.8	47.9	24.0B	24
25	13.4B	13.9B	64.0B	111	196	73.1	30.9	11.9	22.0	48.9	50.1	23.0B	25
26	13.6B	13.8B	60.0B	141	177	75.2	29.2	11.7	22.4	46.6	50.5	22.2B	26
27	13.7B	13.8B	56.0B	156	159	80.0	28.0	11.6	22.1	44.4	53.8	21.5B	27
28	13.8B	13.8B	52.8B	162	144	84.2	26.7	11.5	21.6	43.4	53.6	20.8B	28
29	14.0B		49.6B	165	130	89.2	26.1	11.9	20.7	42.3	94.4	20.2B	29
30	14.1B		47.2B	163	119	96.1	24.9	11.3	20.9	40.2	94.1	19.8B	30
31	14.2B		45.1B		109		24.0	10.9		37.8		19.4B	31
TOTAL	378.0	402.8	986.2	1 979.0	4 418.7	1 907.1	1 547.6	488.0	420.00	1 052.6	1 260.6	1 202.2	TOTAL
MEAN	12.2	14.4	31.8	66.0	143	63.6	49.9	15.7	14.0	34.0	42.0	38.8	MEAN
MAX	14.2	14.8	64.0	165	258	99.3	100	23.4	22.4	52.4	94.4	91.8	MAX
MIN	11.1	13.8	13.4	40.0	80.1	40.8	24.0	10.9	8.17	21.3	27.0	19.4	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 44.0
MAXIMUM DAILY, 258 ON MAY 20
MINIMUM DAILY, 8.17 ON SEP 13
MAXIMUM INSTANTANEOUS,
259 AT 20:56 EST ON MAY 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 38 12 N
LONG 080 15 53 W
DRAINAGE AREA, 2 980 km²
B - ICE CONDITIONS
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	32 700	JUL	134 000
FEB	34 800	AUG	42 200
MAR	85 200	SEP	36 300
APR	171 000	OCT	90 900
MAY	382 000	NOV	109 000
JUN	165 000	DEC	104 000

TOTAL DISCHARGE, 1 390 000 dam³

SYDENHAM RIVER AT FLORENCE - STATION NO. 02GG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.81B	10.6	23.0 B	10.5	5.20	3.58	3.72	8.14	3.03	5.94	4.06	12.6	1
2	3.14B	10.9	19.5 B	12.4	4.71	3.28	3.36	8.53	3.41	8.18	3.88	10.7	2
3	3.56B	11.7	19.0 B	16.7	4.29	3.78	2.59	4.73	2.70	6.35	3.68	11.1	3
4	7.60B	11.7	17.5 B	23.2	4.23	4.02	2.10	3.05	1.90	5.77	3.55	40.4	4
5	16.5 B	10.6	14.0 B	20.5	5.30	3.85	1.78	2.28	1.50	8.28	9.32	41.4	5
6	31.4 B	9.83	10.8 B	17.6	5.73	3.58	1.57	1.81	2.21	8.18	61.0	26.0	6
7	33.1 B	11.1	9.50B	16.5	5.82	3.18	1.39	1.59	9.69	6.85	76.4	17.8	7
8	24.8 B	25.0	8.18B	14.0	5.27	4.58	1.27	1.46	15.3	5.67	50.2	15.7	8
9	17.0 B	53.0	13.3 A	11.6	4.66	7.07	1.24	1.31	10.7	11.6	27.8	14.5	9
10	15.9 B	64.7	43.2	12.9	4.25	6.00	1.21	1.17	8.22	39.6	24.2	14.4	10
11	16.8 B	40.3	69.3 E	35.2	3.99	4.78	1.25	1.23	29.4	70.0	20.2	15.1	11
12	16.2 B	24.3	83.7 E	33.7	3.71	3.80	1.45	1.36	14.6	68.9	16.0	13.4	12
13	13.2 B	19.4	97.1 E	22.1	6.30	3.23	1.83	3.12	6.81	42.6	12.7	12.0	13
14	11.9 B	15.7	77.9 E	18.6	11.7	3.00	2.03	3.59	4.42	30.5	10.8	10.8	14
15	10.9 B	12.4	54.8 E	21.6	11.1	3.30	1.85	3.09	11.7	24.5	9.51	9.54	15
16	12.1 B	11.2	38.9	19.6	18.5	3.50	1.60	4.76	13.5	18.9	8.68	10.5	16
17	29.4 B	10.7	28.7	16.2	41.8	3.30	1.58	4.81	16.9	15.2	7.94	12.1	17
18	82.4 B	9.34B	22.5	14.2	39.2	2.67	1.46	3.36	12.6	15.5	7.27	15.0	18
19	112	9.09B	17.4	12.6	27.6	2.20	1.35	3.52	9.83	19.9	6.73	28.9	19
20	84.7	7.89B	14.4	11.3	19.0	1.95	1.32	3.12	9.31	17.8	6.25	28.4	20
21	48.7	6.98B	12.8	14.1	23.8	1.87	1.26	2.56	8.14	12.9	5.83	19.9	21
22	36.6	28.7 B	11.6	20.2	24.7	1.78	1.28	2.36	7.70	10.8	6.72	26.8	22
23	22.4	152	12.6	16.5	17.7	2.25	1.61	2.27	7.01	9.71	11.5	33.5	23
24	18.9	172	15.6	13.0	13.2	6.70	1.86	2.35	5.77	8.58	13.2	29.9	24
25	20.6	115	13.7	10.9	10.9	9.25	1.83	2.13	4.74	7.33	11.9	20.4 B	25
26	28.8	80.3	11.6	9.16	8.88	8.18	1.59	1.82	3.98	6.37	10.6	17.2 B	26
27	25.5	50.4	10.2	8.60	7.33	6.41	1.38	1.62	3.40	5.73	9.76	15.4 B	27
28	19.2	34.4 B	8.86	8.18	6.15	6.32	1.24	1.69	3.34	5.23	11.4	14.4 B	28
29	17.6		7.95	6.77	5.28	5.03	1.12	2.35	3.33	4.83	17.6	39.5 B	29
30	14.4		8.10	5.94	4.54	3.96	1.50	2.22	3.32	4.55	16.6	155	30
31	12.3		9.15		3.97		4.13	2.45		4.28		185	31
TOTAL	810.41	1 019.23	604.84	474.35	358.81	126.40	54.75	89.85	238.46	510.53	485.28	917.34	TOTAL
MEAN	26.1	36.4	26.0	15.8	11.6	4.21	1.77	2.90	7.95	16.5	16.2	29.6	MEAN
MAX	112	172	97.1	35.2	41.8	9.25	4.13	8.53	29.4	70.0	76.4	185	MAX
MIN	2.81	6.98	7.95	5.94	3.71	1.78	1.12	1.17	1.50	4.28	3.55	9.54	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 16.1
MAXIMUM DAILY, 185 ON DEC 31
MINIMUM DAILY, 1.12 ON JUL 29
MAXIMUM INSTANTANEOUS,
199 AT 04:05 EST ON DEC 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 39 00 N
LONG 082 00 32 W
DRAINAGE AREA, 1 160 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	70 000	JUL	4 730
FEB	88 100	AUG	7 760
MAR	69 500	SEP	20 600
APR	41 000	OCT	44 100
MAY	31 000	NOV	41 900
JUN	10 900	DEC	79 300

TOTAL DISCHARGE, 509 000 dam³

SYDENHAM RIVER AT STRATHROY - STATION NO. 02GG005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.659	1.82	2.05E	1.98	0.987	0.788	0.701	1.38	0.860E	2.05 E	1.01	2.30E	1
2	0.818	1.76	1.50	2.11	0.945	0.733	0.645	0.966	0.670E	1.90 E	0.968	2.10E	2
3	0.897	1.90	1.88	3.04	0.883	0.825	0.629	0.709	0.600E	1.77 E	0.884	3.60E	3
4	1.29	1.87	1.89	3.66	0.853	0.795	0.609	0.653	0.560E	1.31	0.937	4.60E	4
5	3.32	1.70	1.64	3.34	1.02	0.772	0.566	0.642	0.540E	1.54	1.86	5.90E	5
6	4.55	1.60	1.37	2.79	1.05	0.747	0.531	0.648	0.710E	1.67	7.95	3.60E	6
7	5.54	1.53	1.18	2.43	0.931	0.714	0.498	0.620	1.50 E	1.32	12.0	3.10E	7
8	5.24	2.35	1.17	2.17	0.872	0.793	0.501	0.610	1.30 E	1.02	9.32	2.90E	8
9	2.85	6.92	2.05	1.91	0.828	0.799	0.743	0.573	1.05 E	1.80	5.46	2.70E	9
10	2.46	9.27	5.47	1.99	0.795	0.786	1.46	0.548	0.840E	5.05	3.23	2.85E	10
11	2.70	7.67	10.1	4.28	0.795	0.703	1.69	0.545	0.760E	7.81	2.77	3.00E	11
12	2.60	3.85	15.2	5.12	0.810	0.648	0.971	0.574	0.700E	8.36	2.46	2.65E	12
13	2.25	2.32	15.6	3.19	1.02	0.641	0.741	0.706	0.640E	8.09	2.18	2.40E	13
14	1.93	2.10	14.3	2.37	1.35	0.640	0.703	0.811	0.950E	6.95	1.95	2.15E	14
15	1.88	2.05	7.45	2.57	1.43	0.681	0.679	0.855	1.50 E	5.43	1.75	1.90E	15
16	1.65	1.82	4.87	2.65	1.61	0.747	0.643	0.720	2.30 E	2.81	1.69	2.35E	16
17	4.51	1.70	3.38	2.47	3.24	0.676	0.607	0.634	2.20 E	2.13	1.63	2.90E	17
18	20.1	1.34	2.80	2.28	3.97	0.613	0.555	0.568	2.00 E	2.09	1.48	4.30E	18
19	26.9	1.38	2.38	2.09	2.89	0.574	0.545	0.571	1.55 E	2.59	1.34	3.75E	19
20	13.9	1.23	2.21	1.97	2.63	0.575	0.646	0.653	1.35 E	3.10	1.25	3.51A	20
21	8.20	1.11	2.07	2.28	3.99	0.602	0.819	0.980	1.25 E	2.58	1.24	2.60	21
22	4.38	6.63	1.97	2.45	3.17	0.627	0.968	0.916	1.15 E	2.07	1.48	2.90	22
23	2.49	30.6	2.37	2.22	2.30	0.755	0.934	0.747	1.00 E	1.81	2.32	4.00	23
24	2.27	20.9	2.67	1.99	1.89	1.13	0.805	0.619A	0.930E	1.57	2.52	4.02	24
25	2.91	12.1	2.38	1.76	1.49	1.40	0.695	0.560E	0.860E	1.38	2.19	2.85B	25
26	4.89	6.86E	2.08	1.49	1.25	1.21	0.612	0.510E	0.820E	1.19	1.92	2.35B	26
27	4.78	4.64E	1.82	1.35	1.13	0.940	0.555	0.490E	0.790E	1.09	1.76 E	2.00B	27
28	3.66	3.15E	1.68	1.26	1.00	0.819	0.517	0.580E	0.770E	1.11	2.10 E	1.70B	28
29	3.35		1.55	1.17	0.927	0.768	0.493	0.760E	0.740E	1.01	2.40 E	5.80	29
30	2.52		1.61	1.09	0.875	0.715	0.806	0.980E	1.08 E	0.948	2.90 E	23.7	30
31	2.07		1.86		0.828		1.49	1.40 E		0.984		21.3	31
TOTAL	147.564	142.17	117.55	71.47	47.759	23.216	23.357	22.528	31.970	84.532	82.949	135.78	TOTAL
MEAN	4.76	5.08	3.79	2.38	1.54	0.774	0.754	0.727	1.07	2.73	2.77	4.38	MEAN
MAX	26.9	30.6	15.6	5.12	3.99	1.40	1.69	1.40	2.30	8.36	12.0	23.7	MAX
MIN	0.659	1.11	1.17	1.09	0.795	0.574	0.493	0.490	0.540	0.948	0.884	1.70	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.55
MAXIMUM DAILY, 30.6 ON FEB 23
MINIMUM DAILY, 0.490E ON AUG 27
MAXIMUM INSTANTANEOUS,
39.1 AT 14:43 EST ON FEB 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 57 35 N
LONG 081 37 42 W
DRAINAGE AREA, 172 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	12 700	JUL	2 020
FEB	12 300	AUG	1 950
MAR	10 200	SEP	2 760
APR	6 180	OCT	7 300
MAY	4 130	NOV	7 170
JUN	2 010	DEC	11 700

TOTAL DISCHARGE, 80 400 dam³

SYDENHAM RIVER AT WALLACEBURG - STATION NO. 02GG008

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	5.091	5.006	5.269	5.127	5.170	5.266	5.280	5.305	5.310	5.280	5.158	5.219	
2	5.071	5.013	5.198	5.161	5.151	5.281	5.290	5.303	5.283	5.232	5.175	5.115	
3	5.066	5.064	5.175	5.160	5.134	5.416	5.312	5.298	5.269	5.224	5.161	5.092	
4	5.116	5.093	5.149	5.195	5.110	5.280	5.325	5.302	5.283	5.284	5.137	5.380	
5	5.156	5.086	5.117	5.199	5.153	5.290	5.273	5.292	5.276	5.256	5.196	5.275	
6	5.148	5.031	5.161	5.192	5.184	5.286	5.262	5.289	5.281	5.256	5.350	5.237	
7	5.116	5.036	5.177	5.192	5.216	5.255	5.275	5.291	5.332	5.206	5.341	5.183	
8	5.091	5.074	5.154	5.175	5.212	5.277	5.302	5.287	5.343	5.175	5.320	5.193	
9	5.069	5.124	5.148	5.190	5.192	5.297	5.281	5.281	5.349	5.194	5.287	5.201	
10	5.065	5.162	5.184	5.158	5.404	5.271	5.276	5.280	5.362	5.314	5.272	5.168	
11	5.045	5.117	5.246	5.230	5.170	5.261	5.281	5.277	5.331	5.377	5.319	5.165	
12	5.051	5.084	5.304	5.254	5.123	5.279	5.262	5.284	5.331	5.368	5.267	5.183	
13	5.036	5.052	5.313	5.238	5.134	5.281	5.286	5.293	5.316	5.366	5.221	5.203	
14	5.000	5.012	5.291	5.234	5.187	5.269	5.326	5.313	5.357	5.349	5.207	5.144	
15	4.975	5.035	5.253	5.231	5.198	5.243	5.351	5.333	5.339	5.342	5.195	5.157	
16	4.962	5.141	5.216	5.214	5.261	5.260	5.350	5.310	5.308	5.271	5.192	5.161	
17	4.974	5.066	5.267	5.220	5.400	5.279	5.339	5.313	5.343	5.274	5.148	5.147	
18	5.117	5.065	5.243	5.207	5.381	5.305	5.320	5.306	5.348	5.422	5.135	5.184	
19	5.156	5.079	5.143	5.187	5.300	5.269	5.315	5.288	5.350	5.260	5.133	5.192	
20	5.161	5.057	5.158	5.180	5.302	5.275	5.320	5.302	5.334	5.235	5.134	5.175	
21	5.155	5.020	5.154	5.166	5.287	5.293	5.302	5.293	5.325	5.249	5.128	5.181	
22	5.107	5.128	5.167	5.192	5.302	5.286	5.289	5.295	5.349	5.219	5.140	5.222	
23	5.032	5.490	5.160	5.190	5.303	5.389	5.317	5.300	5.332	5.210	5.222	5.240	
24	5.048	5.631	5.147	5.186	5.281	5.275	5.318	5.305	5.336	5.215	5.167	5.336	
25	5.093	5.792	5.191	5.181	5.270	5.276	5.312	5.301	5.320	5.211	5.160	5.339	
26	5.071	5.756	5.146	5.172	5.263	5.298	5.306	5.301	5.235	5.210	5.121	5.217	
27	5.034	5.554	5.136	5.162	5.265	5.286	5.296	5.293	5.230	5.260	5.170	5.189	
28	5.033	5.378	5.133	5.166	5.250	5.284	5.300	5.342	5.230	5.226	5.241	5.218	
29	4.999		5.085	5.163	5.242	5.297	5.306	5.284	5.226	5.211	5.182	5.290	
30	5.006		5.109	5.158	5.246	5.298	5.303	5.287	5.244	5.182	5.242	5.609	
31	5.005		5.113		5.268		5.297	5.294		5.152		5.660	
MEAN	5.066	5.184	5.184	5.189	5.237	5.287	5.302	5.298	5.309	5.258	5.205	5.236	MEA
MAX	5.161	5.792	5.313	5.254	5.404	5.416	5.351	5.342	5.362	5.422	5.350	5.660	MAX
MIN	4.962	5.006	5.085	5.127	5.110	5.243	5.262	5.277	5.226	5.152	5.121	5.092	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 5.230
MAXIMUM DAILY, 5.792 ON FEB 25
MINIMUM DAILY, 4.962 ON JAN 16
MAXIMUM INSTANTANEOUS
5.896 AT 18:02 EST ON FEB 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 35 34 N
LONG 082 23 05 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW
DRAINAGE AREA,
2 680 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 170.000 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - DRAINAGE AREA DOES NOT ACCOUNT FOR RUNNING CREEK (NATURAL DIVERSION)

SYDENHAM RIVER NEAR ALVINSTON - STATION NO. 02GG002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	1.70B	6.34	11.6 B	6.57	3.60	2.33	1.89	8.33	3.17	5.90	2.73	7.26	
2	1.90B	6.17	11.0 B	7.61	3.32	2.22	1.71	4.28	2.55	4.68	2.61	6.16	
3	2.15B	6.73	9.00B	11.9	3.18	2.20	1.53	2.78	1.86	3.83	2.54	6.07	
4	4.60B	6.43	7.20B	14.7	3.18	2.34	1.33	2.12	1.51	3.76	2.46	20.4	
5	10.0 B	5.95	6.40B	11.9	3.56	2.39	1.24	1.80	1.30	4.60	7.58	19.5	
6	19.0 B	5.55	5.60B	10.9	4.27	2.22	1.14	1.68	1.34	4.49	46.2	12.4	
7	20.0 B	6.17	5.30B	9.82	4.21	2.07	1.08	1.55	2.94	3.68	34.8	10.7	
8	15.0 B	16.0	5.10B	8.04	3.79	2.21	0.960	1.32	6.30	3.27	20.2	9.66	
9	10.3 B	44.0	10.4	6.64	3.42	2.93	0.961	1.16	5.25	8.41	18.4	8.52	
10	9.60B	34.7	30.9	7.76	3.17	2.84	1.31	1.02	4.36	28.4	15.5	9.94	
11	10.2 B	20.9	41.9	22.2	2.89	2.38	1.49	1.02	3.57	38.1	12.1	9.59	
12	9.80B	16.4	50.7	15.6	2.73	2.08	2.02	1.10	2.65	27.1	9.16	8.22	
13	9.00B	12.8	48.7	12.0	3.24	1.89	1.83	1.34	2.08	19.2	7.53	7.60	
14	7.20B	9.57	47.1	11.2	5.66	1.95	1.45	2.13	1.94	18.2	6.32	6.76	
15	6.60B	7.43	33.1	12.7	5.50	2.53	1.38	2.20	3.86	14.4	5.48	5.64	
16	7.30B	6.71	22.1	10.9	7.99	2.42	1.47	2.17	8.29	11.5	5.00	6.63	
17	20.0 B	6.45	17.5	9.24	22.3	1.99	1.37	2.34	7.88	9.19	4.72	7.31	
18	84.9 B	5.50B	13.5	8.77	22.3	1.76	1.27	1.90	6.44	8.67	4.40	9.84	
19	61.7	5.30B	10.2	7.60	13.5	1.54	1.13	1.57	5.37	12.1	4.03	19.3	
20	45.5	5.10B	8.59	6.76	11.9	1.42	1.12	1.54	4.89	8.55	3.78	14.4	
21	36.0	5.00B	7.55	12.3	18.5	1.39	1.32	1.59	4.13	6.92	3.56	10.9	
22	20.5	33.2	6.93	12.9	14.1	1.45	1.66	1.66	3.62	6.46	4.43	17.2	
23	14.5	110	10.0	9.31	10.0	1.60	1.81	1.82	3.42	5.69	7.57	18.6	
24	10.6	80.5 B	10.7	7.70	7.84	3.68	1.74	1.68	3.03	4.85	7.62	15.3 B	
25	14.3	40.0 B	8.35	6.32	6.05	5.21	1.52	1.42	2.68	4.18	7.20	12.4 B	
26	19.7	27.0 B	7.41	5.90	4.78	4.14	1.36	1.27	2.41	3.73	6.38	9.05B	
27	14.0	22.0 B	6.21	6.07	3.97	3.24	1.20	1.12	2.58	3.44	5.64	8.10B	
28	11.2	16.0 B	5.31	4.93	3.43	2.79	1.01	1.27	2.60	3.25	8.11	7.50B	
29	11.8		4.86	4.28	3.04	2.33	0.893	1.69	2.31	3.11	12.1	35.7 B	
30	8.95		4.84	3.84	2.71	2.07	0.980	2.16	3.19	2.93	8.81	102	
31	7.75		6.04		2.52		6.32	2.83		2.83		71.0	
TOTAL	526.75	567.90	483.99	286.66	210.65	71.61	47.494	61.86	107.52	285.52	286.96	513.65	TOT
MEAN	17.0	20.3	15.6	9.56	6.80	2.39	1.53	2.00	3.58	9.21	9.57	16.6	MEA
MAX	84.9	110	50.7	22.2	22.3	5.21	6.32	8.33	8.29	38.1	46.2	102	MAX
MIN	1.70	5.00	4.84	3.84	2.52	1.39	0.893	1.02	1.30	2.83	2.46	5.64	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.45
MAXIMUM DAILY, 110 ON FEB 23
MINIMUM DAILY, 0.893 ON JUL 29
MAXIMUM INSTANTANEOUS
126 AT 07:09 EST ON FEB 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 49 48 N
LONG 081 51 09 W
DRAINAGE AREA, 730 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	45 500	JUL	4 100
FEB	49 100	AUG	5 340
MAR	41 800	SEP	9 290
APR	24 800	OCT	24 700
MAY	18 200	NOV	24 800
JUN	6 190	DEC	44 400

TOTAL DISCHARGE, 298 000 dam³

SYDENHAM RIVER NEAR OWEN SOUND - STATION NO. 02FB007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.20B	3.96B	2.17B	4.72	2.21	1.46	3.05	0.816	0.506	1.05	1.48	8.98	1
2	3.38B	3.84B	2.13B	4.95	2.06	1.57	2.55	0.739	0.506	1.38	1.44	6.61	2
3	3.88B	3.43B	2.08B	6.70	1.96	1.82	2.00	0.739	0.493	1.12	1.45	5.12	3
4	4.95B	3.12B	2.04B	8.06	2.06	1.67	1.64	0.683	0.501	1.27	1.46	5.18	4
5	6.70B	2.89B	1.99B	7.21	2.21	1.55	1.40	0.732	0.528	1.47	2.01	5.05	5
6	5.05B	2.72B	1.93B	5.97	2.14	1.46	1.17	0.739	0.547	1.25	4.90	5.02	6
7	3.73B	2.59B	1.86B	5.03	2.08	1.37	1.06	0.701	0.537	1.05	7.36	4.56	7
8	3.26B	2.62B	1.81B	4.51	2.00	1.26	1.07	0.676	0.518	0.941	6.23	4.20	8
9	3.05B	4.25B	1.69B	4.11	1.88	1.37	1.74	0.653	0.502	1.50	4.62	3.96	9
10	2.97B	6.15B	2.11B	4.05	1.84	1.41	1.50	0.588	0.573	2.54	3.78	4.20	10
11	2.78B	5.45B	3.50B	4.27E	1.83	1.22	1.25	0.563	0.616	3.57	3.46	4.38	11
12	2.51B	4.25B	21.8 B	4.54	1.86	1.14	1.07	0.594	0.527	3.71	3.28	4.09	12
13	2.34B	3.60B	33.3 B	4.36	1.83	1.12	0.966	0.862	0.518	3.02	3.15	4.20	13
14	2.22B	3.18B	27.0	4.19	1.71	1.10	0.928	0.899	0.531	2.34	3.00	3.88B	14
15	2.09B	2.85B	22.2	4.27	1.85	1.05	0.977	0.775	0.804	2.12	3.19	3.63B	15
16	1.95B	2.64B	17.7	4.28	1.98	0.977	0.958	0.712	0.751	2.00	3.94	3.41	16
17	3.10B	2.51B	14.5	4.67	2.56	0.936	0.914	0.661	0.617	2.11	4.48	3.12	17
18	8.40B	2.37B	11.9	5.21	3.70	0.999	0.912	0.611	0.567	2.49	4.42	3.25	18
19	14.3 B	2.27B	9.76	5.05	3.90	1.01	0.938	0.577	0.575	2.90	3.77	3.79	19
20	12.1 B	2.18B	8.02	4.56	3.91	0.953	1.75	0.571	0.594	2.90	3.18	3.32B	20
21	9.80B	2.10B	6.65	4.88	4.59	0.918	1.50	0.571	0.592	2.55	2.77	3.57	21
22	7.30B	2.17B	5.97	5.31	4.71	0.906	1.22	0.590	0.669	2.19	4.14	4.09	22
23	5.80B	2.48B	6.97	4.84	3.87	1.06	1.06	0.566	0.778	1.97	9.06	4.77	23
24	5.25B	2.83B	8.49	4.29	3.04	1.16	0.959	0.553	0.812	1.81	10.7	3.70B	24
25	5.35B	2.61B	7.68	4.02	2.56	1.09	0.871	0.546	0.743	1.69	8.48	2.62B	25
26	6.80B	2.45B	6.64	3.49	2.21	0.984	0.808	0.532	0.729	1.66	6.68	3.02B	26
27	7.80B	2.34B	5.82	3.10	2.04	0.922	0.769	0.534	0.695	1.61	7.10	3.53B	27
28	8.50B	2.24B	5.24	2.81	1.90	0.868	0.729	0.565	0.636	1.62	13.2	3.35B	28
29	8.40B		4.81	2.57	1.74	2.51	0.692	0.573	0.627	1.65	16.1	5.50B	29
30	6.20B		4.61	2.38	1.60	3.38	0.814	0.533	0.855	1.63	12.6	17.9	30
31	4.60B		4.64		1.52		0.926	0.517		1.55		21.4 B	31
TOTAL	167.76	86.09	257.01	138.40	75.35	39.243	38.191	19.971	18.449	60.661	161.43	163.60	TOTAL
MEAN	5.41	3.07	8.29	4.61	2.43	1.31	1.23	0.644	0.615	1.96	5.38	5.28	MEAN
MAX	14.3	6.15	33.3	8.06	4.71	3.38	3.05	0.899	0.855	3.71	16.1	21.4	MAX
MIN	1.95	2.10	1.69	2.38	1.52	0.868	0.692	0.517	0.493	0.941	1.44	2.62	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.36
MAXIMUM DAILY, 33.3B ON MAR 13
MINIMUM DAILY, 0.493 ON SEP 03
MAXIMUM INSTANTANEOUS,
35.5 AT 09:00 EST ON MAR 13

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 31 21 N
LONG 080 55 51 W
DRAINAGE AREA, 181 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	14 500	JUL	3 300
FEB	7 440	AUG	1 730
MAR	22 200	SEP	1 590
APR	12 000	OCT	5 240
MAY	6 510	NOV	13 900
JUN	3 390	DEC	14 100

TOTAL DISCHARGE, 106 000 dam³

TAY RIVER BELOW BOBS LAKE - STATION NO. 02LA017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.12	3.17	4.30	1.68	12.4	5.83	3.95	3.50	2.69	2.54	---	---	1
2	2.09	3.17	4.27	1.77	11.7	5.86	3.88	3.43	2.53	2.47	---	---	2
3	2.06	3.23	4.29	1.89	11.3	5.66	3.88	3.35	2.44	2.43	---	---	3
4	2.09	3.32	4.25	2.18	10.8	5.55	3.83	3.28	2.42	2.47	---	---	4
5	2.13	3.33	4.27	2.46	10.5	5.42	5.53	3.20	2.36	2.42	---	---	5
6	2.13	3.35	4.23	1.53	10.7	5.38	6.51	3.15	2.31	2.43	---	---	6
7	2.10	5.25	4.23	0.929	10.5	5.29	6.16	3.14	2.22	2.26	---	---	7
8	2.09	6.22	4.23	1.03	10.1	5.18	5.90	3.12	2.22	2.21	---	---	8
9	2.07	6.15	4.17	1.21	12.3	5.24	5.77	3.02	2.17	2.19	---	---	9
10	2.11	6.15	4.16	1.38	12.6	5.17	5.49	2.96	2.14	2.22	---	---	10
11	2.16	6.09	4.18	1.64	12.1	5.06	5.27	2.94	2.06	2.28	---	---	11
12	2.18	6.00	4.30	2.54	11.7	5.04	5.02	2.81	2.05	2.27	---	---	12
13	2.19	5.97	3.70	3.57	11.5	4.99	4.82	2.90	2.01	2.30	---	---	13
14	2.18	6.04	2.85	3.78	11.3	4.88	4.71	2.98	2.00	2.35	---	---	14
15	2.20	6.08	3.07	4.10	11.1	4.86	4.65	2.95	2.02	2.37	---	---	15
16	2.23	6.23	3.32	4.31	11.2	4.77	4.60	2.88	1.88	3.22	---	---	16
17	2.27	6.25	3.72	4.69	10.2	4.71	4.46	2.86	1.79	4.06	---	---	17
18	2.38	6.23	3.26	4.91	8.80	4.76	4.38	2.78	1.75	4.12	---	---	18
19	2.42	6.16	2.87	5.15	8.65	4.63	4.26	2.61	1.69	4.10	---	---	19
20	2.49	4.72	3.04	6.29	8.69	4.50	4.16	2.60	1.66	4.01	---	---	20
21	2.55	3.57	3.18	7.40	8.77	4.45	4.03	2.54	1.60	3.98	---	---	21
22	2.64	3.62	3.39	7.72	8.81	4.47	3.97	2.48	1.61	4.16	---	---	22
23	2.63	3.85	3.46	7.57	8.81	4.44	4.10	2.44	1.61	4.24	---	---	23
24	2.75	3.91	3.34	7.62	8.43	4.39	4.11	2.36	1.60	4.16	---	---	24
25	2.78	3.94	2.49	9.54	8.04	4.37	4.03	2.32	1.58	---	---	---	25
26	2.87	4.11	1.78	11.8	7.98	4.27	3.97	2.31	1.51	---	---	---	26
27	2.91	4.20	1.19	11.8	7.87	4.23	3.97	2.22	1.51	---	---	---	27
28	2.98	4.27	1.30	12.5	7.76	4.14	3.77	2.78	1.88	---	---	---	28
29	2.97		1.36	13.0	7.61	3.99	3.71	3.45	2.32	---	---	---	29
30	3.09		1.48	12.8	7.60	3.92	3.71	3.13	2.50	---	---	---	30
31	3.14		1.60		6.57		3.57	2.75		---		---	31
TOTAL	75.00	134.58	101.28	158.789	306.39	145.45	140.07	89.24	60.13	---	---	---	TOTAL
MEAN	2.42	4.81	3.27	5.29	9.88	4.85	4.52	2.88	2.00	---	---	---	MEAN
MAX	3.14	6.25	4.30	13.0	12.6	5.86	6.51	3.50	2.69	---	---	---	MAX
MIN	2.06	3.17	1.19	0.929	6.57	3.92	3.57	2.22	1.51	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM INSTANTANEOUS,
13.9 AT 10:13 EST ON APR 28

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 45 36 N
LONG 076 31 17 W
DRAINAGE AREA, 357 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 480	JUL	12 100
FEB	11 600	AUG	7 710
MAR	8 750	SEP	5 200
APR	13 700	OCT	---
MAY	26 500	NOV	---
JUN	12 600	DEC	---

TEESWATER RIVER NEAR PAISLEY - STATION NO. 02FC015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.95B	21.0 B	11.8 B	14.4	6.70	4.12	2.86	3.59	1.04	2.15	3.98	31.4	1
2	7.70B	17.7 B	10.9 B	16.5	6.25	4.16	2.49	2.77	1.20	2.71	3.68	27.4	2
3	8.55B	15.6 B	9.90B	21.1	5.79	4.46	2.39	2.09	1.03	2.65	3.41	22.5	3
4	11.2 B	13.5 B	9.10B	22.4	5.43	4.54	1.92	1.67	1.14	3.19	3.33	21.6	4
5	15.4 B	12.4 B	8.60B	20.8	5.95	4.39	1.82	1.91	0.989	4.10	7.88	20.1	5
6	14.7 B	11.3 B	8.25B	18.9	6.52	4.07	1.55	2.02	1.42	4.08	26.4	18.8	6
7	13.4 B	10.4 B	7.92B	17.1	6.47	3.69	1.43	1.79	1.22	3.32	21.7	17.5	7
8	13.2 B	9.80B	7.55B	15.2	6.05	3.27	1.58	1.57	1.25	2.67	24.2	15.9	8
9	12.1 B	27.8 B	7.25B	13.8	5.58	3.21	2.13	1.57	1.46	3.65	23.9	15.5	9
10	10.9 B	22.1 B	7.00B	13.5	5.27	3.15	3.44	1.54	1.37	8.87	22.0	18.9	10
11	10.3 B	22.8 B	20.5 B	14.4	5.23	3.10	2.91	1.10	1.05	11.5	19.7	15.4	11
12	9.75B	19.7 B	82.8 B	14.1	5.20	2.89	1.97	1.33	1.13	10.9	17.8	14.1	12
13	9.45B	17.4 B	77.0	13.4	5.21	2.82	1.68	1.60	1.01	10.2	15.5	16.6	13
14	9.10B	15.0 B	77.5	13.1	5.02	2.70	1.52	1.92	0.953	8.75	13.9	15.1	14
15	8.75B	13.4 B	81.3	13.9	4.92	2.78	1.76	2.00	1.25	7.82	14.1	13.9	15
16	8.50B	12.2 B	77.5	13.6	4.81	3.12	2.07	1.63	2.15	6.88	12.8	13.0	16
17	17.2 B	11.3 B	70.4	16.9	6.14	2.82	1.75	1.54	1.91	6.72	12.6	12.3	17
18	52.8 B	10.5 B	61.0	16.8	9.63	2.66	1.74	1.21	1.31	8.66	11.6	14.4	18
19	40.5 B	9.80B	51.2	15.7	9.84	2.39	1.68	1.26	1.16	12.9	10.6	15.2	19
20	38.6 B	9.05B	41.8	15.2	17.6	2.20	2.02	1.40	0.922	11.6	9.47	13.9	20
21	37.3 B	8.55B	33.3	16.7	21.4	2.16	2.13	1.10	1.04	10.9	8.73	13.3	21
22	31.2 B	8.10B	27.0	15.6	19.2	2.11	5.15	1.07	1.03	9.76	21.8	15.5	22
23	25.3 B	10.4 B	27.5	14.6	17.2	2.64	5.01	1.09	1.35	8.24	20.4	15.5	23
24	22.4 B	18.0 B	25.9	13.2	13.9	3.19	1.79	1.04	1.94	6.87	21.0	13.6 B	24
25	26.7 B	15.2 B	24.8	11.9	10.8	3.31	1.57	0.871	1.83	5.95	20.7	11.5 B	25
26	33.6 B	15.6 B	22.6	10.8	8.55	2.78	1.45	0.976	1.96	5.31	19.0	9.50B	26
27	27.5 B	14.1 B	19.8	9.81	7.30	2.33	1.38	1.08	1.84	4.75	27.6	8.70B	27
28	36.0 B	12.6 B	17.6	8.82	6.41	2.13	1.23	2.06	1.86	4.48	37.2	8.00B	28
29	39.1 B		15.8	8.04	5.67	2.65	1.29	1.99	1.34	4.60	33.0	38.8 B	29
30	26.2 B		14.9	7.34	5.02	2.92	1.67	1.65	1.56	4.60	32.7	51.5	30
31	22.3 B		14.7		4.51		3.21	1.32		4.35		45.1	31
TOTAL	636.65	405.30	973.17	437.81	253.23	92.76	60.59	50.227	40.744	203.13	520.68	584.50	TOTAL
MEAN	20.5	14.5	31.4	14.6	8.17	3.09	1.95	1.62	1.36	6.55	17.4	18.9	MEAN
MAX	52.8	27.8	82.8	22.4	21.4	4.54	3.44	3.59	2.15	12.9	37.2	51.5	MAX
MIN	6.95	8.10	7.00	7.34	4.51	2.11	1.23	0.871	0.922	2.15	3.33	8.00	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.7
MAXIMUM DAILY, 82.8B ON MAR 12
MINIMUM DAILY, 0.871 ☒N AUG 25
MAXIMUM INSTANTANEOUS,
92.5 AT 06:05 EST ON MAR 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 16 37 N
LONG 081 16 09 W
DRAINAGE AREA, 663 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	55 000	JUL	5 230
FEB	35 000	AUG	4 340
MAR	84 100	SEP	3 520
APR	37 800	OCT	17 600
MAY	21 900	NOV	45 000
JUN	8 010	DEC	50 500

TOTAL DISCHARGE, 368 000 dam³

TEMAGAMI LAKE AT TEMAGAMI - STATION NO. 02DC010

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	293.400	293.220	293.070	293.080	293.450	294.020	294.060	293.810	293.610	293.470	293.680	293.880	1
2	293.400	293.210	293.070	293.080	293.470	294.020	294.060	293.800	293.600	293.480	293.640	293.890	2
3	293.400	293.210	293.060	293.080	293.470	294.020	294.060	293.800	293.590	293.470	293.640	293.900	3
4	293.390	293.200	293.040	293.080	293.490	294.020	294.030	293.800	293.580	293.500	293.640	293.930	4
5	293.390	293.200	293.030	293.090	293.500	294.020	294.020	293.790	293.570	293.500	293.640	293.950	5
6	293.380	293.200	293.060	293.090	293.500	294.020	294.000	293.790	293.560	293.490	293.690	293.950	6
7	293.370	293.200	293.030	293.090	293.510	294.010	294.000	293.780	293.500	293.480	293.690	293.960	7
8	293.360	293.180	293.030	293.090	293.530	294.010	294.000	293.770	293.500	293.470	293.690	293.960	8
9	293.350	293.180	293.010	293.090	293.540	294.010	294.000	293.770	293.500	293.460	293.690	293.960	9
10	293.360	293.170	293.000	293.090	293.550	294.010	294.000	293.750	293.500	293.460	293.690	293.970	10
11	293.330	293.170	293.000	293.100	293.570	294.000	293.970	293.740	293.480	293.510	293.690	293.960	11
12	293.340	293.160	293.000	293.100	293.590	294.000	293.940	293.730	293.480	293.500	293.700	293.950	12
13	293.330	293.150	293.020	293.110	293.610	294.010	293.940	293.720	293.470	293.500	293.700	293.960	13
14	293.320	293.150	293.010	293.120	293.630	294.000	293.930	293.720	293.470	293.510	293.700	293.990	14
15	293.310	293.150	293.020	293.130	293.630	293.990	293.930	293.720	293.470	293.520	293.700	293.970	15
16	293.310	293.130	293.020	293.140	293.630	293.990	293.920	293.710	293.480	293.520	293.700	293.950	16
17	293.330	293.130	293.030	293.150	293.660	294.000	293.910	293.710	293.480	293.510	293.710	293.930	17
18	293.310	293.120	293.040	293.150	293.800	294.000	293.920	293.700	293.480	293.520	293.710	293.930	18
19	293.300	293.120	293.060	293.160	293.850	294.000	293.910	293.680	293.470	293.580	293.720	293.920	19
20	293.290	293.110	293.060	293.160	293.890	294.000	293.900	293.670	293.480	293.580	293.720	293.910	20
21	293.280	293.110	293.070	293.170	293.910	293.970	293.890	293.660	293.470	293.590	293.730	293.910	21
22	293.270	293.110	293.070	293.180	293.950	294.000	293.880	293.660	293.480	293.590	293.750	293.890	22
23	293.270	293.100	293.080	293.200	293.980	294.010	293.870	293.660	293.480	293.590	293.750	293.880	23
24	293.270	293.100	293.080	293.230	293.980	294.030	293.850	293.650	293.490	293.600	293.770	293.870	24
25	293.260	293.090	293.080	293.260	294.000	294.040	293.860	293.650	293.480	293.600	293.780	293.860	25
26	293.270	293.080	293.090	293.200	294.000	294.050	293.850	293.650	293.480	293.600	293.790	293.850	26
27	293.260	293.070	293.080	293.340	294.010	294.050	293.840	293.650	293.480	293.620	293.800	293.840	27
28	293.260	293.080	293.090	293.370	294.010	294.050	293.830	293.640	293.490	293.630	293.860	293.830	28
29	293.250		293.080	293.400	294.000	294.040	293.820	293.630	293.480	293.640	293.870	293.820	29
30	293.230		293.070	293.430	294.010	294.060	293.820	293.620	293.470	293.650	293.870	293.820	30
31	293.220		293.080		294.030		293.820	293.610		293.650		293.810	31
MEAN	293.316	293.146	293.049	293.165	293.734	294.015	293.930	293.711	293.502	293.542	293.724	293.910	MEAN
MAX	293.400	293.220	293.090	293.430	294.030	294.060	294.060	293.810	293.610	293.650	293.870	293.990	MAX
MIN	293.220	293.070	293.000	293.080	293.450	293.970	293.820	293.610	293.470	293.460	293.640	293.810	MIN

WATER LEVELS IN METRES

MEAN, 293.565
MAXIMUM DAILY, 294.060 ON JUN 30
MINIMUM DAILY, 293.000 ON MAR 10

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 47 03 46 N
LONG 079 47 44 W
DATA CONTRIBUTED BY -
ONTARIO HYDRO

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY -.076 m ADJUSTMENT TO CONVERT TO TEMISKAMING AND NORTHERN ONTARIO RAILWAY DATUM

TEMAGAMI RIVER AT CROSS LAKE DAM - STATION NO. 02DC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.10	28.9	20.9	3.70	4.80	23.7	44.1	24.5	16.0	5.80	6.10	10.2	1
2	8.10	28.4	19.1	4.00	4.60	23.3	43.5	24.1	16.0	5.80	6.10	10.8	2
3	43.5	28.0	19.1	4.00	4.60	23.3	42.4	22.3	16.0	5.80	6.10	11.3	3
4	42.4	27.5	18.4	4.20	4.80	23.7	41.8	22.5	15.3	5.80	6.30	11.3	4
5	40.7	26.7	18.0	4.20	4.60	23.7	41.8	23.3	15.3	5.80	6.30	12.4	5
6	39.0	26.7	17.7	4.30	4.60	23.3	41.2	23.2	15.3	5.80	6.50	12.1	6
7	39.2	26.7	17.7	4.30	4.30	23.3	40.7	22.1	15.0	5.80	6.70	34.2	7
8	38.4	26.2	17.0	4.30	4.60	23.3	40.1	22.5	14.1	5.60	6.50	33.2	8
9	37.4	25.4	17.0	4.30	4.60	24.0	0	21.3	13.8	5.60	6.50	32.2	9
10	37.4	25.4	17.0	4.30	4.60	23.3	39.0	21.3	13.5	5.60	6.50	32.2	10
11	36.8	24.9	16.6	4.30	4.80	23.3	39.0	21.3	13.8	5.80	6.70	32.2	11
12	36.3	24.5	16.6	4.30	4.80	23.3	38.4	20.6	5.40	5.80	6.90	31.7	12
13	35.8	24.1	16.6	4.30	4.80	22.5	37.4	20.9	6.10	5.80	6.90	31.7	13
14	35.3	24.1	17.0	4.30	4.80	22.5	37.4	20.5	5.80	5.80	6.90	47.1	14
15	35.3	23.7	17.0	4.30	4.80	22.9	36.8	20.2	6.10	5.80	6.50	45.9	15
16	34.1	23.3	18.0	4.30	5.10	22.9	35.9	20.2	5.80	5.80	6.70	45.3	16
17	34.2	23.3	18.7	4.60	5.30	22.9	24.9	19.1	5.80	5.80	6.90	44.7	17
18	34.2	25.5	19.8	4.30	7.50	22.5	26.2	19.1	5.80	5.80	6.90	44.1	18
19	33.7	25.1	20.2	4.30	9.50	24.1	26.7	19.1	5.80	5.80	6.90	43.5	19
20	33.2	21.3	19.3	4.30	10.2	23.3	26.7	18.7	5.80	5.80	6.90	43.5	20
21	32.2	21.3	3.60	4.30	10.8	23.3	26.7	18.4	5.80	5.80	7.30	43.5	21
22	32.2	20.9	2.30	4.60	11.1	23.3	26.7	18.4	5.80	5.80	7.30	43.5	22
23	31.7	20.9	2.30	4.80	12.1	24.9	26.2	18.0	5.80	5.80	7.50	43.5	23
24	31.3	20.5	2.60	4.80	12.4	24.9	26.2	17.7	5.80	5.80	7.70	42.4	24
25	31.3	20.2	2.80	5.10	12.9	24.9	25.4	17.7	5.80	5.80	7.90	42.4	25
26	30.8	19.8	3.00	5.10	12.9	24.9	25.4	17.7	5.80	5.80	8.10	42.4	26
27	30.3	19.1	3.00	5.10	13.5	31.8	25.4	17.0	5.80	5.80	8.40	42.4	27
28	30.3	19.5	3.20	4.80	13.5	47.7	24.9	17.0	5.80	5.80	8.80	42.4	28
29	29.4		3.50	4.80	14.1	45.3	24.5	17.0	5.80	6.10	9.80	42.4	29
30	29.4		3.60	4.80	14.2	45.3	24.1	17.0	5.80	5.80	10.5	42.4	30
31	29.4		3.70		24.5		24.9	16.6		6.10		41.8	31
TOTAL	1 021.40	665.9	395.30	133.10	259.60	778.3	984.4	619.3	274.50	179.80	215.10	1 078.7	TOTAL
MEAN	32.9	23.8	12.8	4.44	8.37	25.9	31.8	20.0	9.15	5.80	7.17	34.8	MEAN
MAX	43.5	28.9	20.9	5.10	24.5	47.7	44.1	24.5	16.0	6.10	10.5	47.1	MAX
MIN	8.10	19.1	2.30	3.70	4.30	22.5	0	16.6	5.40	5.60	6.10	10.2	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.1
MAXIMUM DAILY, 47.7 ON JUN 28
MINIMUM DAILY, 0 ON JUL 09

DATA CONTRIBUTED BY -
ONTARIO HYDRO

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 46 46 41 N
LONG 079 58 43 W
DRAINAGE AREA, 1 360 km²

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	88 200	JUL	85 100
FEB	57 500	AUG	53 500
MAR	34 200	SEP	23 700
APR	11 500	OCT	15 500
MAY	22 400	NOV	18 600
JUN	67 200	DEC	93 200

TOTAL DISCHARGE, 571 000 dam³

TEMAGAMI RIVER AT RED CEDAR LAKE DAM - STATION NO. 02DC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	17.9	37.9	38.6	24.3	39.5	57.5	60.7	29.5	17.9	12.5	43.9	77.1	1
2	17.6	37.3	36.3	23.0	19.8	56.5	60.7	29.5	17.7	12.5	42.1	73.7	2
3	17.4	36.4	34.1	22.2	1.30	55.5	60.1	29.1	17.6	12.3	42.5	70.5	3
4	20.1	35.4	32.6	21.4	3.00	54.5	59.4	28.5	17.3	12.3	42.0	67.5	4
5	26.8	34.5	31.0	20.9	5.40	36.6	58.4	28.5	17.0	12.7	41.4	64.4	5
6	33.2	33.6	29.5	19.9	7.90	24.8	57.4	28.5	16.8	12.7	41.0	62.0	6
7	34.4	33.0	33.0	19.1	7.10	26.1	56.4	28.2	16.6	12.8	40.7	59.3	7
8	35.0	32.1	44.7	18.6	6.60	26.7	55.4	27.9	16.5	13.0	40.3	58.4	8
9	35.3	31.4	41.2	18.1	9.10	27.0	54.5	27.3	16.0	13.0	35.5	58.4	9
10	35.9	30.8	38.4	17.7	11.8	27.6	38.3	27.0	15.9	13.0	29.3	57.9	10
11	35.9	30.2	36.2	11.8	14.2	27.9	25.8	27.0	8.20	13.6	29.5	57.4	11
12	36.3	29.6	33.7	1.20	16.8	27.9	27.6	26.7	0	14.3	29.7	57.2	12
13	36.6	29.0	40.3	1.80	19.0	27.9	28.8	26.1	0	15.1	29.8	56.4	13
14	36.6	32.5	47.1	2.30	21.0	28.2	29.8	26.1	0	15.7	29.8	56.0	14
15	36.6	37.2	43.9	2.90	22.2	28.5	30.7	25.4	0	16.3	29.8	56.0	15
16	36.6	35.6	41.4	3.50	29.4	28.5	31.0	25.1	0	17.1	29.8	56.0	16
17	36.6	34.4	40.1	4.20	44.0	28.2	31.3	24.5	0	17.9	30.2	56.4	17
18	36.6	33.1	39.2	4.90	87.5	27.9	30.7	24.2	0	37.3	30.3	56.4	18
19	36.9	31.9	38.5	5.40	116	28.8	30.4	23.9	0	51.6	23.3	56.4	19
20	36.9	30.7	38.5	6.20	92.4	29.1	26.6	28.4	0	50.8	4.40	54.5	20
21	36.6	29.7	38.2	7.00	85.9	29.1	30.1	30.0	0	50.3	5.50	52.1	21
22	36.3	29.1	36.3	8.30	75.1	29.5	29.8	27.2	0	49.6	6.80	51.6	22
23	36.3	28.2	35.1	10.2	63.3	29.5	29.5	26.6	0	49.1	8.10	51.6	23
24	35.9	27.6	33.8	12.9	65.9	31.0	29.1	24.0	0	48.6	9.50	51.6	24
25	39.6	27.0	31.3	16.9	62.9	31.3	30.1	21.6	0	48.0	10.8	51.0	25
26	45.2	26.0	30.4	22.0	62.9	31.6	30.1	20.8	0.200	47.6	12.2	50.5	26
27	43.9	43.6	29.2	27.3	62.6	50.7	30.1	20.6	5.40	46.8	17.5	50.5	27
28	42.6	41.7	28.1	31.6	61.9	61.1	29.8	30.0	13.1	46.4	31.1	49.4	28
29	41.4		27.3	35.1	61.2	60.1	29.1	29.5	12.9	45.6	53.8	48.9	29
30	40.1		26.5	37.6	59.9	60.7	28.8	28.7	12.7	45.0	71.2	48.4	30
31	39.2		25.4		58.5		29.8	22.8		44.4		47.8	31
TOTAL	1 076.3	919.5	1 099.9	458.30	1 290.10	1 090.3	1 180.3	828.2	221.900	897.9	892.80	1 764.7	TOTAL
MEAN	34.7	32.8	35.5	15.3	41.6	36.3	38.1	26.7	7.40	29.0	29.8	56.9	MEAN
MAX	45.2	43.6	47.1	37.6	116	61.1	60.7	30.0	17.9	51.6	71.2	77.1	MAX
MIN	17.4	26.0	25.4	1.20	1.30	24.8	25.8	20.8	0	12.3	4.40	47.8	MIN

SCHARGES IN CUBIC METRES PER SECOND

MEAN, 32.1
MAXIMUM DAILY, 116 ON MAY 19
MINIMUM DAILY, 0 ON SEP 12

DATA CONTRIBUTED BY -
ONTARIO HYDRO

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 46 40 45 N
LONG 079 59 42 W
DRAINAGE AREA, 2 360 km²

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	93 000	JUL	102 000
FEB	79 400	AUG	71 600
MAR	95 000	SEP	19 200
APR	39 600	OCT	77 600
MAY	111 000	NOV	77 100
JUN	94 200	DEC	152 000

TOTAL DISCHARGE, 1 010 000 dam³

THAMES RIVER AT BYRON - STATION NO. 02GE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	10.7	55.9	57.5	43.9	18.6	15.7	13.3	36.1	21.8	37.8	23.9	73.8	1
2	10.7	59.8	51.1	48.1	16.1	14.6	11.3	23.5	18.0	45.4	57.6	66.3	2
3	11.7	61.0	52.7	56.8	16.0	18.3	10.8	17.1	16.2	40.9	56.6	63.0	3
4	24.5	52.7	46.8	61.1	17.4	19.5	10.7	14.7	14.8	44.6	46.8	80.6	4
5	40.4	45.8	39.2	60.1	19.9	17.2	9.64	15.0	13.8	58.7	63.6	86.6	5
6	63.7	41.7	28.7	48.1	18.4	15.9	8.87	13.7	17.5	54.3	226	75.4	6
7	58.0	36.5	26.2	39.2	17.2	13.9	8.03	12.7	26.4	40.8	315	67.9	7
8	50.4	39.5	25.4	33.1	16.5	19.8	7.65	11.6	19.9	32.3	175	61.5	8
9	41.4	107	25.9	29.2	15.5	16.5	91.4	11.1	19.5	49.2	127	57.1	9
10	38.2	230	65.4	35.3	15.4	14.9	151	11.1	18.2	200	111	60.3	10
11	35.1	182	84.7	57.3	14.6	13.5	71.2	10.9	17.8	230	96.0	66.7	11
12	32.1	107	136	57.4	14.5	12.6	38.1	12.6	16.9	181	79.2	64.2	12
13	26.0	68.3	236	40.5	24.9	11.9	24.9	24.8	14.5	157	61.9	70.9	13
14	23.9	65.8	253	38.9	28.4	12.7	31.7	27.4	15.6	121	59.0	77.3	14
15	24.2	59.5	200	43.7	22.7	11.7	24.0	20.3	73.9	80.4	57.0	68.4	15
16	24.2	53.1	149	45.2	28.2	11.0	22.0	15.6	91.1	64.3	56.7	64.2	16
17	48.3	48.9	123	53.7	48.6	10.3	19.1	14.9	53.5	57.5	52.7	58.4	17
18	224	42.0	108	52.7	66.7	11.4	16.5	13.7	40.7	99.5	52.6	65.1	18
19	310	37.5	86.0	43.8	68.9	10.5	16.8	16.1	33.3	155	49.4	85.4	19
20	227	29.9	66.5	39.8	64.1	9.65	22.4	31.0	26.4	130	44.9	86.0	20
21	158	28.5	57.6	44.8	77.9	9.51	31.8	29.7	25.3	85.3	38.6	76.9	21
22	94.4	86.8	50.5	49.7	68.3	10.3	27.9	21.4	24.6	66.6	47.9	81.8	22
23	63.8	304	82.1	43.2	62.3	19.5	22.9	19.6	25.5	58.6	71.4	101	23
24	59.5	257	109	34.0	46.5	18.3	22.2	16.4	34.9	51.7	77.7	109	24
25	74.9	166	83.5	32.3	33.5	22.1	19.3	14.2	37.5	46.7	73.8	88.6	25
26	101	121	74.4	29.6	23.5	21.3	16.0	13.4	34.0	41.1	68.5	71.4	26
27	100	81.8	67.4	26.9	24.2	20.3	13.6	13.4	28.6	37.1	67.3	56.8	27
28	102	67.4	59.9	24.8	21.3	16.0	12.6	69.2	24.7	33.1	74.3	43.6	28
29	102		48.3	21.7	19.7	13.1	11.7	92.8	22.7	31.3	86.2	101	29
30	87.0		43.6	20.7	18.6	13.5	17.4	50.2	21.5	29.7	81.6	476	30
31	69.3		41.5		17.0		28.3	30.3		31.6		517	31
TOTAL	2 336.4	2 536.4	2 588.9	1 255.6	963.2	445.36	832.79	724.5	858.7	2 392.2	2 426.8	3 119.2	TOTAL
MEAN	75.4	90.6	83.5	41.9	31.1	14.8	26.9	23.4	28.6	77.2	80.9	101	MEAN
MAX	310	304	253	61.1	77.9	22.1	151	92.8	91.1	230	315	517	MAX
MIN	10.7	28.5	25.4	20.7	12.5	9.51	7.65	10.9	13.8	29.7	26.6	43.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 56.1
MAXIMUM DAILY, 517 ON DEC 31
MINIMUM DAILY, 7.65 ON JUL 08
MAXIMUM INSTANTANEOUS,
609 AT 21:09 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 57 47 N
LONG 081 19 55 W
DRAINAGE AREA, 3 110 km²

REGULATED SINCE 1953

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	202 000	JUL	72 000
FEB	219 000	AUG	62 600
MAR	224 000	SEP	74 200
APR	108 000	OCT	207 000
MAY	83 200	NOV	210 000
JUN	38 500	DEC	269 000

TOTAL DISCHARGE, 1 770 000 dam³

THAMES RIVER AT CHATHAM - STATION NO. 02GE004

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.291	---	2.073	1.471	1.545	1.510	1.650	1.568	1.664	1.559	1.459	1.678	1
2	1.273	---	1.804	1.526	1.509	1.506	1.627	1.576	1.611	1.517	1.459	1.628	2
3	1.270	---	1.667	1.727	1.418	1.630	1.637	1.562	1.570	1.496	1.446	1.550	3
4	1.280A	---	1.555	1.720	1.412	1.603	1.663	1.536	1.552	1.618	1.453	2.268	4
5	1.380A	---	1.483	1.714	1.528	1.531	1.639	1.575	1.553	1.578	1.450	2.230	5
6	1.440E	---	1.488	1.650	1.518	1.546	1.650	1.597	1.550	1.592	2.018	1.929	6
7	1.510E	1.378A	1.454	1.660	1.527	1.519	1.599	1.570	1.809	1.597	2.291	1.768	7
8	1.550A	1.496	1.420	1.559	1.494	1.554	1.611	1.536	1.904	1.578	2.683	1.681	8
9	1.510A	1.529	1.438	1.519	1.453	1.598	1.613	1.527	1.710	1.586	2.844	1.631	9
10	1.490A	1.695	1.532	1.531	1.567	1.612	1.638	1.532	1.651	1.682	2.495	1.608	10
11	1.500A	2.028	1.800	1.805	1.577	1.546	1.881	1.537	1.636	2.144	2.159	1.563	11
12	1.220A	2.258	2.104	1.778	1.364	1.492	1.919	1.546	1.591	2.561	1.977	1.600A	12
13	1.220E	2.002	2.288	1.702	1.469	1.525	1.705	1.593	1.572	2.644	1.836	1.696	13
14	1.220E	1.597	2.542	1.600	1.506	1.549	1.666	1.588	1.596	2.464	1.662	1.564	14
15	1.220A	1.469	2.724	1.595	1.534	1.540	1.664	1.602	1.779	2.254	1.587	1.608	15
16	1.200A	1.595	2.716	1.547	1.610	1.517	1.655	1.588	1.779	1.914	1.602	1.664A	16
17	1.230A	1.545	2.454	1.654	1.921	1.534	1.634	1.566	1.972	1.694	1.605	1.680E	17
18	1.780A	1.426	2.147	1.607	1.912	1.619	1.624	1.564	1.826	1.802	1.516	1.641A	18
19	2.790A	1.465	1.914	1.561	1.760	1.591	1.600	1.556	1.727	1.790	1.513	1.743	19
20	3.030E	1.389	1.809	1.555	1.746	1.511	1.611	1.586	1.681	1.925	1.497	1.749	20
21	3.270E	1.336	1.655	1.558	1.755	1.564	1.590	1.573	1.619	2.056	1.450	1.771	21
22	3.510A	1.607	1.577	1.598	1.773	1.494	1.595	1.605	1.726	1.911	1.470	1.882	22
23	---	3.311	1.621	1.592	1.772	1.612	1.619	1.593	1.758	1.727	1.564	2.021	23
24	---	3.689	1.561	1.572	1.696	1.564	1.590	1.587	1.622	1.646	1.635	2.220A	24
25	---	3.542	1.774	1.545	1.630	1.543	1.568	1.575	1.542	1.682	1.653	---	25
26	---	3.592	1.725	1.515	1.595	1.545	1.561	1.562	1.554	1.619	1.586	---	26
27	---	3.155	1.609	1.501	1.569	1.539	1.539	1.558	1.532	1.550	1.608	---	27
28	---	2.490	1.559	1.489	1.541	1.534	1.548	1.605	1.525	1.682	1.691	---	28
29	---		1.461	1.484	1.597	1.577	1.536	1.609	1.543	1.502	1.743	---	29
30	---		1.478	1.474	1.555	1.603	1.562	1.801	1.571	1.480	1.702	---	30
31	---		1.487		1.531		1.588	1.800		1.459		---	31
MEAN	---	---	1.804	1.594	1.593	1.554	1.632	1.586	1.658	1.784	1.755	---	MEAN
MAX	---	---	2.724	1.805	1.921	1.630	1.919	1.801	1.972	2.644	2.844	---	MAX
MIN	---	---	1.420	1.471	1.364	1.492	1.536	1.527	1.525	1.459	1.446	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 24 51 N
LONG 082 10 42 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA,
4 610 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 173.736 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

THAMES RIVER AT INGERSOLL - STATION NO. 02GD016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.65B	5.39	10.6	4.03	3.36	3.36	2.85	3.16	3.40	3.47	5.66	8.91	1
2	1.92B	8.49	7.24	4.57	3.27	2.66	5.83	2.93	3.24	3.49	5.41	8.38	2
3	2.25B	8.00	7.43	5.14	3.22	4.13	5.79	2.78	3.08	3.33	5.29	8.50	3
4	3.00B	5.76	6.41	4.87	3.41	3.98	2.62	2.70	3.12	5.99	5.08	13.6	4
5	3.75B	4.58B	4.85	4.42	4.41	3.22	2.70	2.93	3.09	6.14	9.04	12.2	5
6	4.40B	4.35B	4.01	3.90	3.62	2.99	2.70	2.69	3.38	4.84	23.1	10.6	6
7	5.70B	4.40B	3.57	3.49	3.47	2.83	2.52	2.58	4.03	4.33	16.8	9.63	7
8	4.62	7.49	3.56	3.45	3.29	3.34	2.57	2.52	3.36	3.98	13.4	9.14	8
9	3.90	20.8	8.76	3.19	3.45	3.16	25.2	2.45	3.17	5.99	11.9	9.18	9
10	4.18	24.1	15.8	4.25	2.47	2.98	22.3	2.42	3.25	8.79	12.9	10.2	10
11	4.06	19.7	21.3	6.81	2.23	2.80	12.6	2.46	3.11	10.8	12.3	9.96	11
12	3.65	15.3	28.3	5.37	5.03	2.70	6.36	2.63	3.01	10.7	11.5	9.26	12
13	3.15	12.1	34.3	4.38	4.37	2.60	4.43	3.77	2.95	13.7	10.8	9.89	13
14	2.84B	9.88	32.5	4.26	3.94	2.68	4.43	3.00	3.77	10.7	10.3	9.21	14
15	2.60	7.32	28.5	4.56	3.19	2.62	4.97	2.71	8.05	9.50	10.1	8.59	15
16	2.64	5.80B	20.2	4.27	5.10	2.66	4.37	3.11	5.51	12.1	9.73	8.60	16
17	12.6	5.25B	16.7	4.64	8.31	2.84	3.98	3.15	4.48	11.8	9.37	8.74	17
18	32.9	4.70B	14.1	4.02	9.14	2.90	3.93	2.98	4.29	14.6	8.94	13.1	18
19	30.5	4.25B	12.7	3.61	10.5	2.66	3.86	4.13	4.18	15.3	8.65	14.5	19
20	24.0	3.80B	11.8	3.90	11.6	2.65	4.96	4.03	3.91	13.2	8.19	12.7	20
21	18.6	3.55B	11.3	4.96	18.3	2.75	4.63	3.53	3.77	12.3	7.86	10.4	21
22	13.5	17.7	11.2	4.36	14.9	2.70	4.04	3.33	3.70	11.5	9.16	12.9	22
23	7.94	47.0	11.8	3.96	12.4	4.32	4.30	3.23	3.80	11.1	10.2	19.0	23
24	7.66	36.1	10.7	4.27	8.23	4.54	3.95	3.13	3.63	10.5	9.77	18.9	24
25	11.4	29.0	9.95	4.01	4.77	3.76	3.57	2.98	3.88	10.1	9.12	15.2 B	25
26	14.6	23.2	9.28	3.89	4.44	3.55	3.26	3.04	3.64	9.28	8.35	11.6 B	26
27	12.5	17.0	8.75	3.80	4.17	3.60	3.07	3.02	3.40	6.18	9.48	8.77B	27
28	11.7	13.9	8.05	3.56	4.05	3.14	2.92	3.88	3.33	5.98	11.0	6.76B	28
29	10.5		7.21	3.49	4.07	3.01	2.95	4.07	3.25	5.83	10.7	28.5 B	29
30	7.69		4.29	3.43	3.82	3.02	2.97	3.70	3.49	5.97	9.65	65.5	30
31	5.80		4.19		3.59		3.84	3.44		5.42		48.8	31
TOTAL	275.80	368.91	389.35	126.86	176.12	94.15	162.77	96.48	112.27	266.91	305.75	451.22	TOTAL
MEAN	8.90	13.2	12.6	4.23	5.68	3.14	5.25	3.11	3.74	8.61	10.2	14.6	MEAN
MAX	32.9	47.0	34.3	6.81	18.3	4.54	25.2	4.13	8.05	15.3	23.1	65.5	MAX
MIN	1.65	3.55	3.56	3.19	2.03	2.60	2.52	2.42	2.95	3.33	5.08	6.76	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.74
MAXIMUM DAILY, 65.5 ON DEC 30
MINIMUM DAILY, 1.65B ON JAN 01
MAXIMUM INSTANTANEOUS,
68.3 AT 12:35 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 02 20 N
LONG 080 53 08 W
DRAINAGE AREA, 518 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	23 800	JUL	14 100
FEB	31 900	AUG	8 340
MAR	33 600	SEP	9 700
APR	11 000	OCT	23 100
MAY	15 200	NOV	26 400
JUN	8 130	DEC	39 000

TOTAL DISCHARGE, 244 000 dam³

THAMES RIVER AT INNERKIP - STATION NO. 02GD021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.360B	1.81	1.22 B	2.03	0.245	0.230	0.138	0.722	0.180	1.22	0.508	2.18	1
2	0.560B	3.86	1.40 B	2.17	0.206	0.221	0.100	0.319	0.125	0.859	0.486	1.71	2
3	0.880B	1.87	2.72 B	2.61	0.188	0.366	0.078	0.192	0.103	0.614	0.452	1.63	3
4	1.30 B	1.45 B	1.37 B	2.40	0.207	0.418	0.066	0.139	0.088	1.49	0.440	4.50	4
5	6.50 B	1.28 B	0.996B	1.86	0.441	0.273	0.061	0.152	0.095	2.43	2.56	3.51	5
6	3.00 B	1.10 B	0.700B	1.43	0.430	0.235	0.049	0.154	0.101	1.34	23.5	2.62	6
7	2.20 B	1.05 B	0.663B	1.22	0.279	0.232	0.041	0.137	0.131	0.899	9.51	2.10	7
8	1.70 B	3.49	0.772B	1.03	0.231	0.242	0.058	0.120	0.145	0.989	4.38	1.87	8
9	1.32 B	14.1	2.60 B	0.892	0.211	0.262	5.94	0.091	0.115	4.63	3.08	1.94	9
10	1.22 B	10.5	6.50 B	1.11	0.222	0.215	2.14	0.071	0.096	9.04	2.81	3.63	10
11	1.18 B	4.30	10.6	3.37	0.238	0.178	0.908	0.055	0.092	7.63	2.46	3.42	11
12	1.08 B	2.54	14.0	2.28	0.198	0.166	0.519	0.095	0.077	5.21	2.00	2.49	12
13	0.980B	2.07	14.7	1.51	0.627	0.155	0.314	0.342	0.070	7.12	1.80	4.77	13
14	0.910B	2.42	11.3	1.41	0.887	0.145	0.252	0.437	0.181	3.82	1.75	2.95	14
15	0.860B	1.23	7.92	1.87	0.599	0.135	0.457	0.230	1.95	2.43	2.07	2.15	15
16	0.830B	1.45 B	6.36	1.87	1.05	0.123	0.370	0.138	1.39	1.69	1.93	1.77	16
17	3.80 B	1.10 B	5.83	1.85	5.79	0.112	0.247	0.106	0.774	2.49	1.60	1.56	17
18	20.2	0.935B	3.79	1.57	8.08	0.096	0.732	0.095	0.496	9.64	1.27	3.19	18
19	13.0	0.825B	2.77	1.22	4.03	0.083	0.927	0.625	0.409	7.04	1.15	5.02	19
20	6.52	0.790B	2.31	1.17	3.39	0.084	1.08	2.23	0.386	3.10	1.03	3.01	20
21	3.24	0.770B	2.28	1.79	4.57	0.082	1.39	0.980	0.333	2.16	0.917	2.43	21
22	2.22 B	7.28 B	5.77	1.66	2.76	0.083	0.782	0.578	0.335	1.71	2.83	5.99	22
23	1.78	27.2	6.60	1.25	1.85	0.200	0.999	0.404	0.335	1.46	4.74	8.12	23
24	2.50	10.9	3.13	0.953	1.30	0.557	0.815	0.292	0.320	1.25	3.66	5.15	24
25	4.93	4.57	2.02	0.777	0.971	0.295	0.425	0.209	0.315	1.04	2.83	2.90B	25
26	7.16	2.71 B	1.61	0.570	0.801	0.188	0.272	0.161	0.304	0.876	2.16	1.90B	26
27	3.69	1.87 B	1.24	0.444	0.656	0.169	0.185	0.123	0.264	0.771	2.80	1.65B	27
28	6.08	1.49 B	1.07	0.361	0.496	0.151	0.139	0.312	0.233	0.730	5.03	1.53B	28
29	3.51		0.961	0.303	0.436	0.158	0.112	0.507	0.683	0.625	4.60	17.1 B	29
30	2.01		1.23	0.269	0.347	0.159	0.143	0.566	0.828	0.592	2.78	41.8	30
31	1.47		2.00		0.270		1.38	0.293		0.550		13.8	31
TOTAL	106.990	114.960	123.432	43.239	42.006	6.093	21.119	11.280	10.954	82.445	97.133	158.59	TOTAL
MEAN	3.45	4.11	3.98	1.44	1.36	0.203	0.681	0.364	0.365	2.66	3.24	5.12	MEAN
MAX	20.2	27.2	14.7	3.37	8.08	0.557	5.94	2.23	1.95	9.64	23.5	41.8	MAX
MIN	0.360	0.770	0.663	0.269	0.188	0.082	0.041	0.055	0.070	0.550	0.440	1.53	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.24
MAXIMUM DAILY, 41.8 ON DEC 30
MINIMUM DAILY, 0.041 ON JUL 07
MAXIMUM INSTANTANEOUS,
46.6 AT 02:15 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 12 55 N
LONG 080 41 24 W
DRAINAGE AREA, 149 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	9 240	JUL	1 820
FEB	9 930	AUG	975
MAR	10 700	SEP	946
APR	3 740	OCT	7 120
MAY	3 630	NOV	8 390
JUN	526	DEC	13 700

TOTAL DISCHARGE, 70 700 dam³

THAMES RIVER AT THAMESVILLE - STATION NO. 02GE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	12.2B	83.2	94.4A	56.8	31.3	24.7	20.0	24.2A	53.7	29.4	36.6	92.9	1
2	13.4B	75.0	79.5	59.3	30.5	23.4	20.1	39.1	35.6	31.3	37.5	83.2	2
3	15.1B	81.4	76.9A	75.3	26.2	23.5	18.8	34.6	27.0	47.9	34.9	78.0	3
4	16.5B	78.9	71.5	83.0	25.2	26.0	16.6	25.5	22.6	48.6	34.0	142	4
5	34.5B	69.1	65.4	81.2	27.9	29.6	15.6	20.6	20.7	52.6	35.4	149	5
6	56.9B	60.2	56.4A	78.7	31.9	27.4	15.0	18.7	20.8	60.1	104	123	6
7	89.7B	59.4	46.8A	69.6	30.8	24.3	13.6	18.3	46.7	61.7	192	99.0	7
8	81.6B	77.1	41.6A	58.1	28.1	26.7	12.9	16.8	66.7	52.3	264	85.8	8
9	70.9B	83.7	43.7	50.0	26.5	32.5A	12.5	15.6	45.9	44.9	277	77.5	9
10	58.3B	123	74.4	48.5	25.2	34.2	38.0	14.8	32.2	57.2	189	72.3	10
11	53.7B	198	127	82.7	23.7	26.4	120	14.4	30.7	146	138	72.1	11
12	49.4B	213	169	89.1	23.2	22.5	106	16.1	27.3	226	115	76.4	12
13	45.2B	155 A	205 A	83.2	26.6	20.7A	55.1	22.2	24.7	238	97.0	75.3	13
14	36.6B	90.3A	250 A	63.6	43.3	16.0E	35.3	30.1	23.8	203	77.5	74.4	14
15	33.7B	77.4	275 A	58.1	48.8	16.8E	30.9A	37.0	38.4	164	69.0	83.0	15
16	34.0B	75.2	256 A	58.7	51.4	15.4E	37.6A	32.1	68.7	113	66.4	81.4	16
17	68.0B	70.0	199 A	59.6	83.7	14.2E	31.2A	25.1	110	78.5	65.4	79.1	17
18	140 B	64.0A	155 A	62.4	84.8	13.0E	27.0	21.1	81.2	70.9	64.3	77.2	18
19	238	57.8A	130 A	96.2	87.3	13.5E	24.3A	21.2	57.7	87.1	62.2	97.0	19
20	281	53.3	110	58.7	83.6	13.0E	22.6	20.6	46.8	144	59.0	108	20
21	291	45.7A	87.2A	61.4	84.3	12.4E	24.0	26.1	40.3	152	55.0	106	21
22	222	75.3	74.9A	68.7	89.3	11.7E	31.8A	39.7	39.7	114	52.8	114	22
23	139	303	68.0A	67.4A	84.9A	12.8E	35.8A	32.8	37.3	83.0	66.4	129	23
24	86.9	361 A	78.0	61.7	73.5	31.2E	32.2A	27.4	33.9	60.7	80.1	146	24
25	85.6	353 A	115 A	50.5	60.3	33.0E	28.7A	24.7	36.8	61.1	88.0	138	25
26	101	284 A	98.6A	46.4	48.6	32.0E	26.0E	20.8	44.6	54.7	83.1	109 B	26
27	114	156 E	84.8A	43.9	37.4	31.3A	22.0E	18.3	43.4	49.6	78.7	85.1B	27
28	119	120 A	76.3A	40.0A	31.8	30.3	19.0E	17.3	38.6	45.2	82.3	75.0B	28
29	117		70.6	36.5	30.8	27.0	17.0E	38.4	33.4	41.1	91.5	115 B	29
30	115		61.2A	33.4	28.2	22.4	16.0E	101	30.5	39.3	97.0	306	30
31	98.7		58.6A		26.5		23.0E	89.0		37.2		376	31
TOTAL	2 910.9	3 542.0	3 399.8	1 852.7	1 435.3	687.9	948.6	903.6	1 258.7	2 702.4	2 788.1	3 525.7	TOTAL
MEAN	93.9	127	110	61.8	46.3	22.9	30.6	29.1	42.0	87.2	92.9	114	MEAN
MAX	291	361	275	89.1	89.3	34.2	120	101	110	238	272	376	MAX
MIN	12.2	45.7	41.6	33.4	23.2	11.7	12.5	14.4	20.7	29.4	34.0	72.1	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 71.1
MAXIMUM DAILY, 376 ON DEC 31
MINIMUM DAILY, 11.7E ON JUN 22
MAXIMUM INSTANTANEOUS,
393 AT 23:59 EST ON DEC 31

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 32 42 N
LONG 081 58 04 W
DRAINAGE AREA, 4 300 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1953

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	252 000	JUL	82 000
FEB	306 000	AUG	78 100
MAR	294 000	SEP	109 000
APR	160 000	OCT	233 000
MAY	124 000	NOV	241 000
JUN	59 400	DEC	305 000

TOTAL DISCHARGE, 2 240 000 dam³

THAMES RIVER AT WOODSTOCK - STATION NO. 02GD012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.440	2.51	5.86	0.586	1.47	1.29	0.652	1.71	1.54	1.58	3.60	5.53	1
2	0.463	5.42	5.95	0.681	1.45	0.765	0.640	1.67	1.55	1.56	3.50	5.30	2
3	0.487	3.78	3.58	0.714	1.46	0.912	0.627	1.64	1.53	1.52	3.45	5.21	3
4	0.843	2.64	2.91	0.688	1.51	0.830	0.621	1.67	1.49	2.34	3.37	5.59	4
5	1.07	2.12	2.02	0.622	1.54	0.789	0.602	1.67	1.49	2.15	4.18	5.65	5
6	2.20	2.03	1.51	0.561	1.46	0.7[illegible]	0.604	1.64	1.51	1.88	5.66	5.57	6
7	3.04	2.11	1.35	0.532	1.43	0.75[illegible]	0.587	1.63	1.53	1.74	5.29	5.41	7
8	2.20	3.03	1.32	0.503	0.946	0.811	0.899	1.60	1.48	1.71	6.74	5.22	8
9	1.73	10.1	2.99	0.482	0.459	0.766	8.80	1.59	1.46	2.73	9.10	5.07	9
10	1.68	12.7	7.47	0.676	0.463	0.734	7.12	1.58	1.48	4.64	7.89	5.14	10
11	1.61	11.8	10.1	0.969	0.451	0.724	6.25	1.57	1.42	5.57	7.76	5.25	11
12	1.44	9.63	13.7	0.763	0.443	0.723	2.32	1.49	1.41	5.55	7.54	5.18	12
13	1.17	7.35	15.6	0.655	0.785	0.707	2.08	1.39	1.40	5.72	7.35	5.29	13
14	1.03	4.76	16.2	0.687	0.645	0.697	2.09	1.31	1.82	5.46	7.12	5.34	14
15	0.980	2.96	14.0	0.761	0.625	0.685	2.21	1.56	2.99	7.09	6.90	5.20	15
16	1.00	2.40	8.15	0.756	0.923	0.670	2.12	1.80	2.17	9.35	6.74	5.05	16
17	4.59	5.72	8.09	0.794	1.31	0.661	2.01	1.78	1.85	9.10	6.55	6.65	17
18	14.6	5.13	7.87	0.718	1.37	0.656	1.97	1.75	1.71	9.32	6.34	7.70	18
19	16.3	1.98	7.60	0.671	5.66	0.644	1.92	1.89	1.65	9.26	6.11	7.51	19
20	15.3	1.61	7.36	0.744	7.13	0.652	2.27	1.91	1.64	8.97	5.84	6.93	20
21	12.6	1.43	7.06	0.880	9.95	0.642	2.11	1.84	1.60	8.69	5.54	5.30	21
22	8.30	5.79	6.86	0.829	8.96	0.673	1.92	1.69	1.59	8.40	5.44	6.76	22
23	3.50	16.3	6.89	1.17	7.36	0.846	1.94	1.67	1.59	8.11	5.63	9.06	23
24	3.36	17.0	6.79	1.59	3.42	0.814	1.85	1.65	1.59	7.81	5.66	9.69	24
25	6.07	15.9	6.44	1.57	1.71	0.709	1.77	1.64	1.59	7.56	5.58	8.30	25
26	8.47	14.1	6.05	1.55	1.70	0.679	1.72	1.64	1.57	5.71	5.42	6.44	26
27	7.45	11.9	5.61	1.54	1.66	0.679	1.69	1.65	1.52	3.90	5.36	4.08	27
28	7.42	9.28	5.08	1.52	1.66	0.661	1.68	1.72	1.51	3.83	5.64	3.67	28
29	5.89		3.16	1.50	1.65	0.668	1.66	1.68	1.48	3.80	5.81	9.08	29
30	3.85		0.529	1.48	1.60	0.667	1.77	1.63	1.55	3.76	5.72	18.8	30
31	2.81		0.579		1.60		1.77	1.65		3.68		19.8	31
TOTAL	141.893	185.48	195.678	27.192	74.800	22.260	99.272	51.31	48.70	162.50	175.83	214.77	TOTAL
MEAN	4.58	6.62	6.31	0.906	2.41	0.742	2.14	1.66	1.62	5.24	5.86	6.93	MEAN
MAX	16.3	17.0	16.2	1.59	9.95	1.29	8.80	1.91	2.99	9.35	8.10	19.8	MAX
MIN	0.440	1.43	0.529	0.482	0.443	0.632	0.587	1.31	1.40	1.52	3.37	3.67	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.74
MAXIMUM DAILY, 19.8 ON DEC 31
MINIMUM DAILY, 0.440 ON JAN 01
MAXIMUM INSTANTANEOUS,
20.1 AT 20:58 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 08 39 N
LONG 080 45 04 W
DRAINAGE AREA, 254 km²

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	12 300	JUL	5 730
FEB	16 000	AUG	4 430
MAR	16 900	SEP	4 210
APR	2 350	OCT	14 000
MAY	6 460	NOV	15 200
JUN	1 920	DEC	18 600

TOTAL DISCHARGE, 118 000 dam³

THAMES RIVER NEAR DUTTON - STATION NO. 02GE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	12.0B	70.8	76.6	49.1	24.3	18.2	14.2	33.3	37.2	24.5	33.1	87.3	1
2	13.5B	67.6	66.5	55.1	21.1	16.5	13.7	34.1	25.2	41.6	30.4	77.5	2
3	14.8B	73.8	62.0	70.0	18.0	17.5	11.6	23.3	19.5	45.1	28.8	72.8	3
4	30.9B	68.4	61.7	76.1	18.2	22.7	10.8	17.1	16.8	43.8	28.0	123	4
5	51.0B	57.3	52.6	74.1	22.5	22.1	10.5	14.6	15.1	53.5	35.7	124	5
6	80.4B	49.7	43.0	68.8	24.3	18.6	9.57	14.3	16.4	63.5	141	103	6
7	73.2B	50.2	34.7	55.7	21.5	16.9	8.83	12.8	41.9	54.0	246	85.6	7
8	63.6B	58.5	32.5	45.8	19.8	17.0	8.12	11.7	42.1	41.6	299	75.7	8
9	52.3B	52.6	36.4	39.1	18.6	26.4	17.8	10.9	26.9	36.5	224	68.5	9
10	48.2B	161	78.0	39.9	17.3	19.8	105	10.3	22.7	87.8	150	65.8	10
11	44.3B	221	128	73.9	17.1	16.1	140	10.8	20.1	209	126	71.2	11
12	40.5B	187	163	81.8	16.2	14.3	71.0	11.5	18.9	246	106	74.2	12
13	32.8B	109	217	63.9	21.1	13.0	37.5	17.9	16.9	219	84.4	70.4	13
14	30.2B	75.7	264	49.1	40.9	12.3	26.2	30.9	16.2	185	68.6	80.5	14
15	30.5B	71.9	268	49.5	35.6	13.6	35.0	28.6	42.9	136	63.6	80.2	15
16	30.5B	64.2	219	52.5	38.5	12.2	28.5	20.7	102	88.4	61.1	75.1	16
17	61.0B	59.4	168	53.6	65.4	11.3	23.7	15.9	99.2	72.0	60.4	71.1	17
18	160 B	52.3	138	61.7	81.3	10.7	19.5	14.7	60.1	67.4	57.8	70.6	18
19	262	47.1	119	56.9	80.3	11.2	17.0	13.6	43.5	130	53.8	94.3	19
20	306	40.5	93.4	48.2	77.1	10.5	17.8	17.2	37.3	164	50.3	106	20
21	257	34.5	74.9	56.0	82.4	10.0	24.3	32.7	30.9	137	45.3	96.0	21
22	173	75.8	63.3	59.8	91.3	9.73	32.1	29.0	29.4	94.5	46.3	105	22
23	98.7	278	62.6	57.5	74.9	11.5	28.9	21.9	28.1	71.5	68.6	124	23
24	72.8	341	105	47.4	63.1	28.0	24.2	19.4	29.7	61.9	86.3	137	24
25	80.2	312	111	40.0	48.3	26.8	22.4	16.1	38.9	53.8	85.5	123	25
26	104	215	89.8	38.7	36.0	25.5	19.1	13.5	39.8	48.1	78.8	100	26
27	120	140	78.6	34.8	27.6	24.5	15.4	12.6	35.6	42.8	75.3	84.3	27
28	113	98.0	71.4	31.5	27.2	22.0	13.0	21.6	30.2	38.6	82.1	67.5	28
29	117		61.0	28.6	23.9	16.9	11.9	82.9	26.1	35.5	94.9	101	29
30	108		52.1	25.5	21.8	13.7	11.2	112	24.9	33.5	97.3	287	30
31	90.7		49.8		20.1		20.6	64.6		31.9		406	31
TOTAL	2 772.1	3 162.3	3 140.9	1 584.8	1 195.7	509.53	849.42	790.5	1 034.5	2 657.8	2 708.4	3 309.6	TOTAL
MEAN	89.4	113	101	52.8	38.6	17.0	27.4	25.5	34.5	85.7	90.3	107	MEAN
MAX	306	341	268	81.8	91.3	28.0	140	112	102	246	299	406	MAX
MIN	12.0	34.5	32.5	25.5	16.2	9.73	8.12	10.3	15.1	24.5	28.0	65.8	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 65.0
MAXIMUM DAILY, 406 ON DEC 31
MINIMUM DAILY, 8.12 ON JUL 08
MAXIMUM INSTANTANEOUS,
474 AT 23:59 EST ON DEC 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 43 51 N
LONG 081 34 43 W
DRAINAGE AREA, 3 760 km²

B - ICE CONDITIONS

REGULATED SINCE 1953

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	240 000	JUL	73 400
FEB	273 000	AUG	68 300
MAR	271 000	SEP	89 400
APR	137 000	OCT	230 000
MAY	103 000	NOV	234 000
JUN	44 000	DEC	286 000

TOTAL DISCHARGE, 2 050 000 dam³

THAMES RIVER NEAR EALING - STATION NO. 02GD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.37	15.4	23.0 B	18.1	8.22	7.91	5.87	8.76	9.65	9.26	12.3	22.8	1
2	4.81	22.2	21.0 B	19.2	7.94	7.08	5.25	6.75	8.05	9.24	12.1	20.2	2
3	5.19	22.9	24.2	22.3	7.62	10.4	4.99	5.91	7.10	8.36	11.7	20.1	3
4	9.24	17.9	19.3	21.1	8.52	11.5	4.81	5.52	6.42	15.2	11.2	36.7	4
5	16.7	14.8B	15.3	19.0	10.6	9.42	4.57	6.01	6.33	26.4	21.5	39.4	5
6	20.1	13.7B	11.5 B	16.7	9.58	7.97	4.54	5.72	7.84	18.6	89.6	30.8	6
7	15.9	13.0B	10.3 B	14.4	8.40	7.41	4.42	5.39	12.6	14.2	93.3	26.4	7
8	14.2	18.7	9.80B	12.9	7.94	8.97	4.58	5.15	10.4	12.1	53.5	23.7	8
9	12.5	53.3E	17.7	12.1	7.18	9.40	41.2	5.00	8.29	17.9	38.3	22.7	9
10	12.5	89.5E	41.2	14.5	6.55	7.77	60.9	4.81	7.46	38.5	35.2	27.1	10
11	13.4	60.1E	56.3	27.7	6.46	6.98	31.0	4.72	7.73	48.5	32.2	29.1	11
12	12.2	39.2E	76.7	25.1	6.05	6.30	17.8	5.62	7.87	43.2	28.7	25.4	12
13	9.33	30.1	106	18.5	11.7	6.01	11.2	10.5	6.64	46.8	25.9	28.6	13
14	8.50B	28.3	103	16.4	15.3	5.98	12.6	11.7	10.7	38.4	23.8	27.6	14
15	8.25B	22.7	78.9	17.7	11.6	5.55	13.0	8.36	33.1	28.1	22.8	22.8	15
16	8.00B	19.3	61.9	17.6	15.6	5.18	12.0	7.04	30.7	24.1	22.2	22.7	16
17	19.5 E	16.0B	50.3	18.0	32.0	5.02	9.70	6.67	20.7	23.1	21.0	21.7	17
18	107 E	13.9B	40.1	16.7	41.6	5.64	8.49	6.34	15.4	30.7	19.4	28.1	18
19	118 E	12.6B	33.2	14.0	33.6	5.07	8.39	6.87	13.6	45.5	18.3	40.9	19
20	70.9 E	11.5B	30.0	13.7	30.7	4.74	10.8	13.5	12.5	35.0	17.4	34.9	20
21	45.8 E	11.0B	27.7	17.6	48.5	4.79	13.5	11.8	11.3	28.1	16.3	28.9	21
22	31.6	40.6	27.7	18.4	42.1	5.06	11.3	9.43	10.7	24.8	20.5	36.7	22
23	24.9	179	32.7	15.6	31.0	9.26	10.4	8.31	10.7	22.7	32.9	51.1	23
24	21.4	137	31.0	13.7	24.0	11.0	9.77	7.53	12.6	21.2	29.0	55.8	24
25	30.4	73.8	25.1	12.6	16.9	9.14	8.33	6.82	12.7	19.7	25.0	37.3B	25
26	42.8 E	49.8	22.5	11.6	13.2	7.90	7.38	6.14	11.4	18.2	21.7	28.7B	26
27	34.8	38.8	20.1	10.7	11.9	8.08	6.41	6.03	9.94	15.6	22.5	22.5B	27
28	34.0	28.0B	18.4	10.1	10.6	6.70	5.82	28.5	8.87	13.6	29.5	19.3B	28
29	31.0		17.3	9.37	10.2	6.02	5.34	33.9	8.36	13.3	32.8	60.0B	29
30	23.4		17.1	8.75	9.58	6.62	7.80	18.6	8.57	13.1	26.9	219	30
31	18.0		18.4		8.67		10.2	12.3		13.0		189	31
TOTAL	830.69	1 093.1	1 087.70	484.12	513.81	218.87	372.36	289.70	348.22	736.46	867.5	1 300.0	TOTAL
MEAN	26.8	39.0	35.1	16.1	16.6	7.30	12.0	9.35	11.6	23.8	28.9	41.9	MEAN
MAX	118	179	106	27.7	48.5	11.5	60.9	33.9	33.1	48.5	93.3	219	MAX
MIN	4.37	11.0	9.80	8.75	6.05	4.74	4.42	4.72	6.33	8.36	11.2	19.3	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 22.3
MAXIMUM DAILY, 219 ON DEC 30
MINIMUM DAILY, 4.37 ON JAN 01
MAXIMUM INSTANTANEOUS,
255 AT 17:13 EST ON DEC 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 58 21 N
LONG 081 12 35 W
DRAINAGE AREA, 1 340 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1967

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	71 800	JUL	32 200
FEB	94 400	AUG	25 000
MAR	94 000	SEP	30 100
APR	41 800	OCT	63 600
MAY	44 400	NOV	75 000
JUN	18 900	DEC	112 000

TOTAL DISCHARGE, 703 000 dam³

THAMES RIVER NEAR TAVISTOCK - STATION NO. 02GD023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.082B	0.574	0.277B	0.470	0.095	0.033	0.020	0.155	0.117	0.191	0.130	0.517	1
2	0.127B	0.797	0.318B	0.548	0.078	0.029	0.016	0.089	0.104	0.135	0.122	0.448	2
3	0.200B	0.424B	0.560B	0.631	0.073	0.034	0.015	0.064	0.060	0.106	0.120	0.465	3
4	0.295B	0.329B	0.311B	0.548	0.083	0.033	0.011	0.052	0.052	0.272	0.123	0.961	4
5	1.47 B	0.291B	0.226B	0.409	0.177	0.029	0.011	0.054	0.047	0.302	2.72	0.733	5
6	1.13 B	0.250B	0.159B	0.332	0.132	0.023	0.013	0.047	0.047	0.184	6.79	0.612	6
7	0.885B	0.238B	0.151B	0.287	0.109	0.019	0.013	0.040	0.060	0.145	1.22	0.534	7
8	0.783B	1.07	0.175B	0.243	0.095	0.019	0.016	0.036	0.052	0.195	0.746	0.502	8
9	0.665B	3.54	0.582	0.221	0.085	0.017	1.05 A	0.033	0.043	1.67	0.736	0.580	9
10	0.617B	2.06	1.07	0.418	0.085	0.012	0.168	0.031	0.043	1.78	0.747	0.985	10
11	0.597B	0.859	2.19 A	0.960	0.077	0.010	0.067	0.030	0.044	1.67	0.617	0.785	11
12	0.538B	0.540B	3.20 A	0.496	0.070	0.008	0.067	0.028	0.041	1.11	0.514	0.652	12
13	0.325B	0.470B	4.38	0.357	0.185	0.006	0.051	0.048	0.040	1.29	0.477	1.45	13
14	0.238B	0.549B	2.65	0.360	0.184	0.005	0.055	0.070	0.080	0.535	0.476	0.720	14
15	0.200B	0.305B	1.61	0.456	0.130	0.005	0.090	0.040	0.386	0.369	0.571	0.562	15
16	0.188B	0.270B	1.34	0.417	0.532	0.006	0.069	0.035	0.206	0.295	0.488	0.511	16
17	0.863B	0.250B	1.14	0.408	2.52	0.005	0.064	0.031	0.119	1.10	0.406	0.497	17
18	4.58 B	0.212B	0.752	0.342	1.77	0.007	0.165	0.029	0.081	2.00	0.354	1.27	18
19	2.74	0.187B	0.552	0.279	0.802	0.009	0.082	0.575	0.075	0.998	0.329	1.34	19
20	1.21	0.179B	0.464	0.282	0.732	0.013	0.455	0.464	0.075	0.472	0.304	0.724	20
21	0.720	0.175B	0.466	0.443	0.754	0.018	0.271	0.195	0.065	0.398	0.288	0.682	21
22	0.523	1.65 B	0.640	0.354	0.448	0.022	0.145	0.128	0.069	0.372	1.31	1.72	22
23	0.459	6.40	1.11 A	0.282	0.295	0.040	0.298	0.091	0.072	0.314	1.08	1.85	23
24	0.606	1.99	0.657	0.225	0.193	0.040	0.149	0.068	0.078	0.259	0.945	1.00	24
25	1.33	1.04 B	0.439	0.189	0.146	0.030	0.082	0.054	0.072	0.225	0.724	0.540B	25
26	1.60	0.615B	0.351	0.167	0.119	0.022	0.055	0.049	0.069	0.190	0.569	0.445B	26
27	0.869A	0.424B	0.282	0.151	0.092	0.021	0.043	0.050	0.059	0.168	0.707	0.410B	27
28	1.52 A	0.338B	0.247	0.133	0.071	0.018	0.038	0.211	0.052	0.169	1.32	0.391	28
29	0.721		0.239	0.114	0.057	0.020	0.034	0.234	0.064	0.153	0.907	8.37	29
30	0.491		0.357	0.101	0.045	0.020	0.199	0.138	0.149	0.144	0.623	10.7	30
31	0.379		0.494		0.037		0.498	0.114		0.135		2.07	31
TOTAL	26.951	26.026	27.359	10.623	10.261	0.573	4.310	3.283	2.521	17.346	26.463	42.926	TOTAL
MEAN	0.869	0.930	0.883	0.354	0.331	0.019	0.139	0.106	0.084	0.560	0.882	1.38	MEAN
MAX	4.58	6.40	4.38	0.960	2.52	0.040	1.05	0.575	0.386	2.00	6.79	10.7	MAX
MIN	0.082	0.175	0.151	0.101	0.037	0.005	0.011	0.028	0.040	0.106	0.120	0.391	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.544
MAXIMUM DAILY, 10.7 ON DEC 30
MINIMUM DAILY, 0.005 ON JUN 14
MAXIMUM INSTANTANEOUS,
17.5 AT 23:48 EST ON DEC 29

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 18 17 N
LONG 080 51 00 W
DRAINAGE AREA, 34.2 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 330	JUL	372
FEB	2 250	AUG	284
MAR	2 360	SEP	218
APR	918	OCT	1 500
MAY	887	NOV	2 290
JUN	49.5	DEC	3 710

TOTAL DISCHARGE, 17 200 dam³

TRENT CANAL LOCK 42 NEAR WASHAGO - STATION NO. 02EC016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	2
3	0	0	0	0	0	0	0	0	0	0	0	0	3
4	0	0	0	0	0	0	0	0	0	0	0	0	4
5	0	0	0	0	0	0	0	0	0	0	0	0	5
6	0	0	0	0	0	0	0	0	0	0	0	0	6
7	0	0	0	0	0	0	0	0	0	0	0	0	7
8	0	0	0	0	0	0	0	0	0	0	0	0	8
9	0	0	0	0	0	0	0	0	0	0	0	0	9
10	0	0	0	0	0	0	0	0	0	0	0	0	10
11	0	0	0	0	0	0	0	0	0	0	0	0	11
12	0	0	0	0	0	0	0	0	0	0	0	0	12
13	0	0	0	0	0	0	0	0	0	0	0	0	13
14	0	0	0	0	0	0	0	0	0	0	0	0	14
15	0	0	0	0	0	0	0	0	0	0	0	0	15
16	0	0	0	0	0	0	0	0	0	0	0	0	16
17	0	0	0	0	0	0	0	0	0	0	0	0	17
18	0	0	0	0	0	0	0	0	0	0	0	0	18
19	0	0	0	0	0	0	0	0	0	0	0	0	19
20	0	0	0	0	0	0	0	0	0	0	0	0	20
21	0	0	0	0	0	0	0	0	0	0	0	0	21
22	0	0	0	0	0	0	0	0	0	0	0	0	22
23	0	0	0	0	0	0	0	0	0	0	0	0	23
24	0	0	0	0	0	0	0	0	0	0	0	0	24
25	0	0	0	0	0	0	0	0	0	0	0	0	25
26	0	0	0	0	0	0	0	0	0	0	0	0	26
27	0	0	0	0	0	0	0	0	0	0	0	0	27
28	0	0	0	0	0	0	0	0	0	0	0	0	28
29	0		0	0	0	0	0	0	0	0	0	0	29
30	0		0	0	0	0	0	0	0	0	0	0	30
31	0		0		0		0	0		0		0	31
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	TOTAL
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	MEAN
MAX	0	0	0	0	0	0	0	0	0	0	0	0	MAX
MIN	0	0	0	0	0	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON JAN 01
MINIMUM DAILY, 0 ON JAN 01

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 44 46 11 N
LONG 079 21 01 W

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	0	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	0
JUN	0	DEC	0

TOTAL DISCHARGE, 0 dam³

TRENT RIVER AT GLEN ROSS - STATION NO. 02HK004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	123	229	149	198	252	114	55.1	16.0	23.8	54.1	78.4	167	1
2	113	239	137	193	247	70.7	61.0	15.0	22.3	64.9	82.6	167	2
3	116	239	132	216	224	64.5	46.8	20.9	20.5	47.0	84.6	170	3
4	121	230	133	285	214	66.5	34.5	21.9	17.0	49.4	89.1	215	4
5	124	222	133B	336	217	76.3	29.4	23.1	15.1	75.8	91.0	264	5
6	117	214	132B	341	217	70.0	23.5	26.5	16.1	87.3	114	260	6
7	114	207	127B	335	212	61.4	20.6	26.8	16.1	82.1	120	250	7
8	112	171	130B	335	240	73.5	16.2	23.7	14.4	88.0	112	242	8
9	112	178	131B	359	269	99.9	19.1	18.7	14.5	118	102	241	9
10	106	213	134	375	264	120	23.9	15.4	15.0	138	105	241	10
11	89.2	214	135	392	262	125	31.9	14.4	14.0	138	109	239	11
12	79.6B	198	228	399	256	85.8	32.8	15.8	16.0	132	109	237	12
13	80.0B	185	344	401	258	68.9	30.5	47.8	16.6	142	106	235	13
14	80.8B	184	411	400	259	74.0	33.0	54.9	17.5	143	99.5	230	14
15	85.0B	189B	430	401	260	73.1	38.4	41.6	18.9	132	93.0	231	15
16	110 B	190B	432	400	257	69.7	69.1	40.8	18.2	121	89.8	232	16
17	137	192B	432	400	273	66.8	57.4	35.8	32.6	117	86.2	232	17
18	192	191B	427	398	290	66.3	54.2	29.9	36.8	103	87.4	224	18
19	227	159B	416	323	292	46.7	53.8	26.6	37.1	110	90.6	200	19
20	211	146B	409	264	293	44.0	54.5	27.2	33.0	120	90.2	231	20
21	199	146	406	264	314	45.3	57.9	29.2	28.6	102	89.1	226	21
22	168	144	365	270	312	63.5	55.9	31.8	29.3	95.4	96.9	232	22
23	168	185	343	267	306	69.0	75.1	31.0	15.7	94.7	119	226	23
24	194	215	347	226	309	66.4	87.7	25.3	14.8	87.5	127	258B	24
25	196	203	348	217	272	62.2	91.0	24.6	16.1	64.4	123	275B	25
26	200	193	314	225	254	60.6	83.0	24.5	19.8	64.4	128	267B	26
27	204	190B	295	249	222	40.9	76.2	24.4	22.2	58.1	145	260B	27
28	201	168B	297	257	206	36.1	68.8	23.3	42.1	60.1	159	255B	28
29	197		230	254	195	37.9	46.2	23.2	47.9	57.3	166	251	29
30	201		193	252	159	44.6	27.9	23.1	47.6	56.7	166	297	30
31	214		197		144		20.0	23.6		62.9		361	31
TOTAL	4 591.6	5 434	8 337	9 232	7 758	2 063.6	1 475.4	826.8	690.6	2 866.1	3 258.4	7 416	TOTAL
MEAN	148	194	269	308	250	68.8	47.6	26.7	23.0	92.5	109	239	MEAN
MAX	227	239	432	401	314	125	91.0	54.9	47.9	143	166	361	MAX
MIN	79.6	144	127	193	144	36.1	16.2	14.4	14.0	47.0	78.4	167	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 148
MAXIMUM DAILY, 432 ON MAR 16
MINIMUM DAILY, 14.0 ON SEP 11
MAXIMUM INSTANTANEOUS,
454 AT 13:50 EST ON MAR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 15 50 N
LONG 077 36 10 W
DRAINAGE AREA, 12 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	397 000	JUL	127 000
FEB	469 000	AUG	71 400
MAR	720 000	SEP	59 700
APR	798 000	OCT	248 000
MAY	670 000	NOV	282 000
JUN	178 000	DEC	641 000

TOTAL DISCHARGE, 4 660 000 dam³

TRENT RIVER AT HEALEY FALLS - STATION NO. 02HK00?

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	71.4	175	138	167	180	45.6	33.3	14.8	20.4	47.7	40.0	151	1
2	70.1	173	141	159	172	32.5	33.4	16.2	16.2	53.2	55.9	151	2
3	70.6	168	137	174	161	30.1	29.9	19.0	16.0	53.0	48.4	148	3
4	70.7	165	134	206	160	32.3	23.4	20.4	14.2	53.1	52.7	160	4
5	71.1	163	135	235	159	43.8	19.6	20.4	14.3	67.5	63.0	206	5
6	71.1	156	131	242	159	48.1	16.7	20.4	14.5	76.2	83.8	205	6
7	71.2	141	125	240	160	47.9	16.5	17.5	14.4	77.2	92.9	202	7
8	71.2	129	125	240	176	57.5	16.5	17.5	14.3	77.8	92.9	199	8
9	72.0	134	125	252	182	69.5	18.6	17.5	14.1	83.5	92.3	190	9
10	79.4	142	126	273	181	83.5	18.6	18.1	14.5	114	92.1	181	10
11	89.0	141	125	295	182	87.3	22.7	16.9	18.8	143	92.5	176	11
12	91.4	140	148	312	179	56.5	22.7	16.8	20.6	161	92.7	168	12
13	93.0	139	205	312	183	38.2	25.6	30.5	20.7	175	92.5	168	13
14	93.2	139	266	307	186	38.2	26.9	36.9	20.6	172	79.4	163	14
15	93.2	142	320	307	185	38.2	26.7	36.8	20.5	158	65.8	163	15
16	96.0	150	350	306	184	38.2	39.4	36.8	29.0	143	66.1	163	16
17	112	155	362	305	192	38.2	45.7	36.8	34.1	136	66.9	157	17
18	145	146	335	304	198	40.0	45.8	30.1	35.9	133	67.4	157	18
19	156	141	313	268	197	41.4	45.8	26.8	32.4	129	67.4	157	19
20	152	121	308	239	196	41.4	50.9	25.2	28.3	132	67.2	154	20
21	150	124	303	233	221	41.5	52.2	24.2	24.0	132	66.7	154	21
22	150	125	292	231	237	36.6	52.4	24.2	19.5	120	75.7	154	22
23	148	136	283	212	237	36.5	58.4	21.9	19.5	98.2	99.9	157	23
24	146	147	282	184	259	33.9	67.6	20.3	21.1	84.5	106	163	24
25	149	147	281	173	211	33.9	69.2	20.3	24.2	68.5	92.1	163	25
26	153	146	266	180	189	36.2	53.2	20.3	25.2	51.2	122	160	26
27	152	146	253	180	156	40.0	50.1	20.3	27.1	45.8	115	157	27
28	152	141	238	180	129	35.1	38.1	20.4	33.3	45.4	132	156	28
29	151		207	179	107	33.2	30.0	20.4	33.3	46.4	151	177	29
30	160		181	179	89.6	33.2	30.0	20.4	41.9	36.7	151	183	30
31	171		173		65.2		22.4	20.4		36.1		216	31
TOTAL	3 521.6	4 072	6 808	7 074	5 472.8	1 308.5	1 102.2	708.6	682.9	2 949.7	2 587.3	5 259	TOTAL
MEAN	114	145	220	236	177	43.6	35.6	22.9	22.8	95.2	86.2	170	MEAN
MAX	171	175	362	312	259	87.3	69.2	36.9	41.9	175	151	216	MAX
MIN	70.1	121	125	159	65.2	30.1	16.5	14.8	14.1	36.1	40.0	148	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 114
MAXIMUM DAILY, 362 ON MAR 17
MINIMUM DAILY, 14.1 ON SEP 09

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 22 14 N
LONG 077 46 42 W
DRAINAGE AREA, 9 090 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	304 000	JUL	95 200
FEB	352 000	AUG	61 200
MAR	588 000	SEP	59 000
APR	611 000	OCT	255 000
MAY	473 000	NOV	224 000
JUN	113 000	DEC	454 000

TOTAL DISCHARGE, 3 ?90 000 dam³

REMARKS - DAILY DISCHARGES ARE A TOTAL OF ONT. HYDRO RECORDS AT HEALEY FALLS PLUS RECORDED SPILLWAY RECORDS

TRIBUTARY TO NORBERG CREEK AT TURKEY LAKE - STATION NO. 02BF013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.005B	0.005B	0.004B	0.008	0.020	0.005	0.006	0.002	0	0.003	0.010	0.028	1
2	0.005B	0.004B	0.004B	0.013	0.014	0.004	0.005	0.001	0	0.002	0.008	0.024	2
3	0.004B	0.004B	0.004B	0.010	0.011	0.012	0.004	0.001	0	0.002	0.008	0.022A	3
4	0.004B	0.004B	0.004B	0.014	0.009	0.006	0.004	0.001	0.001	0.005	0.008	0.020B	4
5	0.004B	0.003B	0.003B	0.013	0.008	0.006	0.004	0.001	0.001	0.002	0.006	0.019E	5
6	0.005B	0.003B	0.003B	0.011	0.006	0.008	0.003	0.001	0	0.002	0.008	0.018E	6
7	0.005B	0.003B	0.003B	0.010	0.007	0.006	0.003	0.001	0	0.002	0.007	0.017E	7
8	0.005B	0.003B	0.003B	0.010	0.023	0.005	0.016	0.001	0	0.002	0.007	0.016E	8
9	0.005B	0.004B	0.003B	0.012	0.022	0.006	0.006	0.002	0	0.001	0.009	0.015E	9
10	0.005B	0.005B	0.003B	0.012	0.069	0.005	0.005	0.002	0	0.002	0.010	0.041E	10
11	0.005B	0.005B	0.003B	0.009	0.042	0.004	0.004	0.002	0	0.003	0.010	0.013E	11
12	0.005B	0.005B	0.004B	0.009	0.031	0.005	0.003	0.002	0.003	0.002	0.012	0.013E	12
13	0.005B	0.005B	0.009B	0.010	0.026	0.022	0.003	0.001	0.002	0.002	0.010	0.013E	13
14	0.005B	0.005B	0.020B	0.021	0.022	0.008	0.003	0.001	0.002	0.008	0.011	0.012E	14
15	0.005B	0.005B	0.037B	0.026	0.024	0.006	0.003	0.001	0.001	0.005	0.010	0.011E	15
16	0.005B	0.004B	0.238B	0.021	0.030	0.006	0.004	0.001	0	0.004A	0.024	0.010E	16
17	0.004B	0.003B	0.119B	0.018	0.046	0.022	0.004	0.001	0	0.030	0.021	0.010E	17
18	0.004B	0.003B	0.052	0.016	0.052	0.018	0.003	0.001	0	0.089	0.015	0.009E	18
19	0.003B	0.002B	0.039	0.016	0.037	0.012	0.003	0.001	0.001	0.042	0.013	0.010E	19
20	0.003B	0.002B	0.033	0.027	0.032	0.009	0.003	0	0.001	0.031	0.011	0.009E	20
21	0.003B	0.002B	0.029	0.042	0.028	0.010	0.002	0	0.005	0.083	0.067	0.007B	21
22	0.003B	0.002B	0.022	0.071	0.026	0.009	0.002	0	0.003	0.048	0.088	0.008B	22
23	0.003B	0.002B	0.019	0.101	0.024	0.008	0.002	0	0.002	0.034	0.053	0.008B	23
24	0.004B	0.002B	0.014	0.127	0.022	0.007	0.002	0	0.002	0.026	0.041	0.008B	24
25	0.004B	0.002B	0.010	0.161	0.018	0.006	0.002	0.001	0.001	0.023	0.034	0.008B	25
26	0.004B	0.002B	0.009	0.148	0.017	0.006	0.002	0.001	0.001	0.020	0.028	0.009B	26
27	0.005B	0.002B	0.008	0.096	0.013	0.005	0.002	0	0.001	0.017	0.035	0.009B	27
28	0.005B	0.005B	0.008	0.057	0.012	0.005	0.002	0	0.001	0.015	0.050	0.009B	28
29	0.005B		0.006	0.038	0.009	0.022	0.006	0	0.001	0.014	0.038	0.007	29
30	0.005B		0.007	0.028	0.008	0.009	0.004	0	0.001	0.013	0.032	0.008	30
31	0.005B		0.007		0.007		0.002	0		0.010		0.008	31
TOTAL	0.137	0.096	0.727	1.157	0.715	0.262	0.117	0.026	0.030	0.542	0.684	0.419	TOTAL
MEAN	0.004	0.003	0.024	0.039	0.023	0.009	0.004	0.001	0.001	0.018	0.023	0.014	MEAN
MAX	0.005	0.005	0.238	0.161	0.069	0.022	0.016	0.002	0.005	0.089	0.088	0.041	MAX
MIN	0.003	0.002	0.003	0.008	0.006	0.004	0.002	0	0	0.001	0.006	0.007	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.013
MAXIMUM DAILY, 0.238B ON MAR 16
MINIMUM DAILY, 0 ON AUG 20

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 02 30 N
LONG 084 25 05 W
DRAINAGE AREA, 0.07 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	11.8	JUL	10.1
FEB	8.29	AUG	2.25
MAR	62.8	SEP	2.59
APR	100	OCT	46.8
MAY	61.8	NOV	59.1
JUN	22.6	DEC	36.2

TOTAL DISCHARGE, 424 dam³

TRIBUTARY TO WYE RIVER BELOW ELMVALE - STATION NO. 02ED016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.050B	0.250B	0.068B	0.138	0.052	0.005	0.001	0.001	0	0.003	0.005	0.140	1
2	0.040B	0.200B	0.067B	0.237	0.046	0.005	0.001	0.001	0	0.004	0.005	0.151	2
3	0.032B	0.170B	0.066B	0.607	0.039	0.006	0.001	0	0	0.021	0.004	0.110	3
4	0.120B	0.140B	0.055B	0.489	0.033	0.006	0.001	0	0	0.027	0.004	0.085	4
5	0.400B	0.110B	0.047B	0.406	0.033	0.005	0.001	0	0	0.025	0.035E	0.086B	5
6	0.600B	0.092B	0.040B	0.260	0.031	0.004	0.001	0	0	0.030	1.19	0.085B	6
7	0.500B	0.080B	0.034B	0.200	0.027	0.004	0.001	0	0	0.010	0.911	0.081	7
8	0.350B	0.110B	0.030B	0.159	0.036	0.004	0.001	0	0	0.004	0.789	0.076	8
9	0.250B	0.800B	0.028B	0.137	0.030	0.004	0.001	0	0	0.012E	0.552	0.104E	9
10	0.210B	0.600B	0.267B	0.269	0.029	0.004	0.001	0	0	0.308A	0.379	0.207A	10
11	0.280B	0.300B	2.39 B	0.541	0.030	0.003	0.001	0	0	0.646	0.265	0.323	11
12	0.350B	0.150B	5.81 B	0.330	0.024	0.003	0	0	0	0.424	0.213	0.155	12
13	0.230B	0.130B	3.69 B	0.238	0.018	0.003	0.001	0.001	0	0.435	0.156	0.155	13
14	0.130B	0.146B	1.76	0.200	0.013	0.003	0.001	0.001	0	0.366	0.111	0.188	14
15	0.080B	0.120B	1.14	0.220	0.012	0.003	0.001	0	0	0.200	0.117	0.116	15
16	0.050B	0.100B	0.787	0.197	0.017	0.002	0	0	0	0.115	0.143	0.091	16
17	0.300B	0.090B	0.605	0.233	0.161	0.002	0	0	0	0.076	0.145	0.078	17
18	1.00 B	0.064B	0.427	0.214	0.609	0.002	0	0	0	0.105	0.109	0.076	18
19	0.700B	0.054B	0.301	0.169	0.312	0.002	0	0	0	0.185	0.065	0.129	19
20	0.450B	0.049B	0.241	0.150	0.243	0.002	0	0	0	0.178	0.047	0.124	20
21	0.340B	0.047B	0.199	0.317	0.503	0.002	0.001	0	0	0.101	0.040	0.086	21
22	0.220B	0.070B	0.194	0.283	0.280	0.002	0	0	0	0.061	0.454A	0.158	22
23	0.150B	0.500B	0.295	0.218	0.156	0.002	0	0	0	0.039	0.714	0.357	23
24	0.100B	0.320B	0.222	0.174	0.096	0.002	0	0	0	0.022	0.346	0.271	24
25	0.130B	0.220B	0.179	0.158	0.059	0.001	0	0	0	0.016	0.231	0.186B	25
26	0.500B	0.150B	0.161	0.113	0.056	0.001	0	0	0	0.013	0.163	0.125B	26
27	0.400B	0.080B	0.127	0.095	0.028	0.001	0	0	0 A	0.010	0.234E	0.100B	27
28	0.370B	0.072B	0.116	0.082	0.023	0.001	0	0	0	0.009	0.520	0.090B	28
29	0.350B		0.096	0.069	0.015	0.001	0	0	0.001	0.013	0.301	0.811B	29
30	0.320B		0.086	0.061	0.009	0.001	0	0	0.002	0.011	0.168	1.09 B	30
31	0.290B		0.117		0.007		0.001	0		0.007		0.322B	31
TOTAL	9.292	5.214	19.645	6.964	3.027	0.086	0.016	0.004	0.003	3.478	8.416	6.156	TOTAL
MEAN	0.300	0.186	0.634	0.232	0.098	0.003	0.001	0	0	0.112	0.281	0.199	MEAN
MAX	1.00	0.800	5.81	0.607	0.609	0.006	0.001	0.001	0.002	0.646	1.19	1.09	MAX
MIN	0.032	0.047	0.028	0.061	0.007	0.001	0	0	0	0.003	0.004	0.076	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.171
MAXIMUM DAILY, 5.81B ON MAR 12
MINIMUM DAILY, 0 ON JUL 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 35 33 N
LONG 079 52 15 W
DRAINAGE AREA, 15.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	803	JUL	1.38
FEB	450	AUG	0.346
MAR	1 700	SEP	0.259
APR	602	OCT	300
MAY	262	NOV	727
JUN	7.43	DEC	532

TOTAL DISCHARGE, 5 390 dam³

TROUT CREEK NEAR FAIRVIEW - STATION NO. 02GD019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.060B	0.605	0.230B	0.514	0.101	0.065	0.055	0.483	0.099	0.504	0.130	0.438	1
2	0.050B	1.19	0.290B	0.623	0.089	0.065	0.049	0.218	0.081	0.296	0.118	0.330	2
3	0.135B	0.450B	0.400B	0.853	0.080	0.081	0.043	0.137	0.069	0.193	0.115	0.289	3
4	0.820	0.320B	0.207B	0.725	0.086	0.106	0.043	0.103	0.059	0.479	0.111	0.971	4
5	2.95	0.265B	0.146B	0.510	0.189	0.090	0.042	0.098	0.062	0.664	2.71	0.769	5
6	2.02	0.235B	0.130B	0.362	0.153	0.080	0.042	0.084	0.064	0.337	9.67	0.576	6
7	1.35	0.220B	0.121B	0.295	0.116	0.083	0.043	0.068	0.070	0.218	2.82	0.446	7
8	0.952	1.36	0.125B	0.235	0.101	0.086	0.100	0.059	0.062	0.239	1.51	0.387	8
9	0.731	5.42	0.813	0.202	0.089	0.094	4.28	0.051	0.052	2.92	1.11	0.427	9
10	0.605	2.91	1.77	0.432	0.099	0.089	1.09	0.047	0.049	3.83	1.04	1.09	10
11	0.480B	1.37	3.17	1.46	0.097	0.078	0.468	0.045	0.048	3.85	0.794	0.891	11
12	0.430B	0.826	4.53	0.714	0.076	0.070	0.245	0.045	0.046	2.27	0.593	0.614	12
13	0.380B	0.749	5.59	0.451	0.205	0.065	0.145	0.101	0.045	2.93	0.507	1.83	13
14	0.335B	0.858	3.71	0.413	0.283	0.063	0.122	0.187	0.111	1.23	0.491	0.799	14
15	0.305B	0.390B	2.32	0.543	0.173	0.069	0.171	0.099	1.33	0.757	0.682	0.503	15
16	0.280B	0.295B	1.78	0.510	0.766	0.062	0.142	0.077	0.659	0.507	0.535	0.392	16
17	1.24 B	0.240B	1.44	0.489	3.91	0.054	0.112	0.066	0.340	2.23	0.402	0.339	17
18	8.70 B	0.205B	0.924	0.387	2.90	0.054	0.191	0.064	0.190	3.79	0.306	1.54	18
19	5.20 B	0.178B	0.657	0.304	1.37	0.052	0.183	0.806	0.155	2.41	0.256	1.60	19
20	3.10 B	0.162B	0.524	0.316	1.20	0.048	1.11	1.03	0.145	1.13	0.215	0.786	20
21	1.50 B	0.158B	0.490	0.764	1.43	0.048	0.827	0.424	0.125	0.723	0.189	0.630	21
22	0.960B	2.99	1.11	0.566	0.820	0.049	0.390	0.240	0.125	0.560	1.37	1.00	22
23	0.780B	7.15	2.90	0.405	0.526	0.087	0.767	0.167	0.142	0.452	1.34	1.90	23
24	0.960B	2.78	0.980	0.294	0.358	0.566	0.424	0.125	0.178	0.362	1.20	1.09	24
25	1.62	0.950B	0.608	0.228	0.256	0.245	0.202	0.100	0.159	0.291	0.849	0.700B	25
26	2.09	0.580B	0.442	0.191	0.207	0.128	0.130	0.086	0.137	0.229	0.582	0.450B	26
27	1.25 B	0.390B	0.305	0.161	0.173	0.099	0.095	0.080	0.111	0.202	0.676	0.385B	27
28	2.30	0.310B	0.253	0.151	0.144	0.075	0.076	0.427	0.095	0.206	1.42	0.370B	28
29	1.05 B		0.219	0.128	0.118	0.079	0.067	0.446	0.091	0.173	1.04	8.00 B	29
30	0.678		0.335	0.109	0.098	0.070	0.256	0.214	0.381	0.163	0.591	10.9	30
31	0.436		0.561		0.081		1.54	0.127		0.149		2.97	31
TOTAL	43.747	33.556	37.080	13.335	16.294	2.900	13.450	6.304	5.280	34.294	33.372	44.412	TOTAL
MEAN	1.41	1.20	1.20	0.445	0.526	0.097	0.434	0.203	0.176	1.11	1.11	1.43	MEAN
MAX	8.70	7.15	5.59	1.46	3.91	0.566	4.28	1.03	1.33	3.85	9.67	10.9	MAX
MIN	0.050	0.158	0.121	0.109	0.076	0.048	0.042	0.045	0.045	0.149	0.111	0.289	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.778
MAXIMUM DAILY, 10.9 ON DEC 30
MINIMUM DAILY, 0.042 ON JUL 05
MAXIMUM INSTANTANEOUS,
19.4 AT 21:03 EST ON DEC 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 17 43 N
LONG 080 58 24 W
DRAINAGE AREA, 36 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 780	JUL	1 160
FEB	2 900	AUG	545
MAR	3 200	SEP	456
APR	1 150	OCT	2 960
MAY	1 410	NOV	2 880
JUN	251	DEC	3 840

TOTAL DISCHARGE, 24 500 dam³

TROUT CREEK NEAR ST. MARYS - STATION NO. 02GD009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.20	0.853	1.89	1.94	0.997	0.819	0.778	1.14	2.18	1.57	3.97	6.68	1
2	1.20	0.890	2.13	1.94	0.997	0.823	0.787	1.12	2.20	1.54	3.96	6.54	2
3	1.19	0.886	2.83	1.97	0.977	0.846	0.808	1.45	2.21	1.51	3.89	6.52	3
4	1.19	0.871	2.84	1.97	0.928	0.886	0.810	1.85	2.24	1.54	3.84	6.40	4
5	1.20	0.844	2.84	1.97	0.831	0.929	0.807	1.86	2.25	1.54	3.95	6.27	5
6	1.21	0.834	2.83	1.97	0.813	0.974	0.826	1.82	2.25	1.53	4.00	6.13	6
7	1.22	0.835	2.84	1.96	0.790	0.997	0.841	1.78	2.26	1.48	3.93	6.02	7
8	1.21	0.857	2.80	1.95	0.804	1.02	0.890	1.80	2.20	1.45	7.05	5.91	8
9	1.23	0.911	2.85	1.68	0.793	1.03	1.02	1.80	2.21	1.51	9.07	5.73	9
10	1.23	0.938	2.90	0.994	0.800	1.03	0.979	1.80	2.29	1.51	9.01	5.59	10
11	1.24	0.912	2.88	1.01	0.791	1.04	1.16	1.80	2.27	1.53	8.87	5.52	11
12	1.22	0.897	2.94	0.990	0.781	1.05	1.42	1.80	2.24	1.56	8.79	5.43	12
13	1.23	0.894	2.99	1.00	0.789	1.09	1.40	1.81	2.17	1.57	8.62	4.06	13
14	1.22	0.905	3.03	0.995	0.765	1.07	1.42	1.81	2.16	1.55	8.47	2.56	14
15	1.23	0.912	3.33	1.02	0.766	1.04	1.38	1.84	2.10	1.88	8.38	2.49	15
16	1.23	0.890	4.70	1.02	0.778	1.00	1.32	1.87	2.03	2.45	8.26	2.47	16
17	1.13	0.908	4.98	1.02	0.788	0.991	1.29	1.92	1.97	2.42	8.08	2.44	17
18	0.896	0.924	4.82	1.01	0.778	0.980	1.34	1.90	1.94	2.48	8.00	2.42	18
19	0.868	0.910	4.62	1.00	0.770	0.978	1.35	1.88	1.87	2.44	7.82	2.42	19
20	0.840	0.912	4.85	0.999	0.775	0.919	1.38	1.92	1.86	2.35	7.68	2.40	20
21	0.849	1.44	4.79	1.01	0.763	0.781	1.33	1.98	1.82	2.2	7.53	2.40	21
22	0.845	1.92	4.79	1.01	0.753	0.785	1.24	2.08	1.79	2.57	7.50	2.41	22
23	0.830	1.99	4.81	1.00	0.753	0.777	1.27	2.12	1.79	2.55	7.44	2.43	23
24	0.847	1.92	4.81	1.01	0.748	0.766	1.26	2.12	1.75	2.24	7.33	2.37	24
25	0.868	1.91	4.76	1.01	0.747	0.775	1.25	2.16	1.71	2.22	7.18	2.37	25
26	0.890	1.91	4.74	1.00	0.744	0.770	1.26	2.14	1.70	3.65	7.15	2.37	26
27	0.900	1.89	4.68	1.01	0.758	0.775	1.26	2.17	1.66	4.42	7.05	2.37	27
28	0.905	1.90	4.66	1.00	0.762	0.789	1.23	2.22E	1.64	4.33	7.00	2.38	28
29	0.903		4.04	0.997	0.749	0.790	1.22	2.18	1.61	4.22	6.90	2.62	29
30	0.872		1.92	1.00	0.794	0.790	1.26	2.20	1.56	4.14	6.81	2.77	30
31	0.854		1.92		0.813		1.21	2.16		4.08		2.75	31
TOTAL	32.747	32.663	112.01	38.455	24.895	27.310	35.866	58.50	59.93	71.50	207.53	121.30	TOTAL
MEAN	1.06	1.17	3.61	1.28	0.803	0.910	1.16	1.89	2.00	2.31	6.92	3.91	MEAN
MAX	1.24	1.99	4.98	1.97	0.997	1.09	1.42	2.22	2.29	4.42	9.07	6.68	MAX
MIN	0.830	0.834	1.89	0.990	0.744	0.766	0.778	1.12	1.56	1.45	3.84	2.37	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.25
MAXIMUM DAILY, 9.07 ON NOV 09
MINIMUM DAILY, 0.744 ON MAY 26
MAXIMUM INSTANTANEOUS,
9.19 AT 15:13 EST ON NOV 08

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 15 50 N
LONG 081 04 48 W
DRAINAGE AREA, 140 km²

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 830	JUL	3 100
FEB	2 820	AUG	5 050
MAR	9 680	SEP	5 180
APR	3 320	OCT	6 180
MAY	2 150	NOV	17 900
JUN	2 360	DEC	10 500

TOTAL DISCHARGE, 71 100 dam³

TROUTLAKE RIVER ABOVE BIG FALLS - STATION NO. 05QC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.20B	7.64B	8.25B	8.10B	36.7	27.2	25.7	17.6	11.6	11.7	8.70	7.71B	1
2	6.22B	7.67B	8.25B	8.07B	36.2	26.8	24.8	17.3	11.5	11.4	8.67	7.67B	2
3	6.26B	7.71B	8.25B	8.03B	35.5	28.6	24.0	17.1	11.3	11.3	8.62	7.67B	3
4	6.29B	7.74B	8.25B	8.00B	34.7	30.5	25.3	16.8	11.3	11.3	8.76	7.64B	4
5	6.35B	7.78B	8.25B	7.96B	34.2	31.3	25.9	16.5	12.6	11.3	8.74	7.64B	5
6	6.38B	7.82B	8.28B	7.96B	34.1	31.5	26.2	16.3	12.8	11.2	8.61	7.90B	6
7	6.42B	7.85B	8.28B	7.96B	33.9	31.5	26.6	16.3	13.0	10.9	8.58	7.90B	7
8	6.46B	7.89B	8.28B	7.96B	33.7	31.5	26.9	16.2	13.2	10.8	8.55	7.57B	8
9	6.51B	7.92B	8.28B	7.89B	44.7	31.5	27.4	15.9	13.4	10.6	8.54	7.57B	9
10	6.54B	7.96B	8.28B	7.89B	46.5	32.1	33.7	14.9	11.8	10.4	8.20	7.54B	10
11	6.58B	7.96B	8.28B	7.85B	46.5	31.6	33.2	14.3	11.7	10.2	8.13	7.54B	11
12	6.64B	8.00B	8.28B	7.85B	46.4	30.8	32.5	14.0	11.5	9.92	8.16	7.51B	12
13	6.70B	8.03B	8.28B	7.85B	43.5	29.9	30.1	13.9	11.4	9.88	8.16	7.51B	13
14	6.74B	8.07B	8.28B	7.82B	41.6	28.9	28.2	13.8	10.9	9.81	8.14	7.51B	14
15	6.80B	8.07B	8.28B	7.82B	40.0	28.3	26.6	13.5	10.7	9.79	8.14	7.51B	15
16	6.86B	8.10B	8.28B	7.78B	38.7	27.9	25.0	13.4	10.6	9.76	8.03	7.47B	16
17	6.92B	8.10B	8.28B	7.77	38.1	27.4	23.9	13.2	10.4	9.76	7.98	7.47B	17
18	6.96B	8.10B	8.28B	7.87	37.6	27.1	23.1	13.0	10.5	9.73	7.95	7.47B	18
19	7.06B	8.14B	8.28B	8.34	37.5	26.9	22.4	12.9	10.6	9.69	7.92	7.47B	19
20	7.12B	8.14B	8.28B	8.96	36.9	26.7	21.7	12.2	10.6	9.72	7.91	7.47B	20
21	7.15B	8.18B	8.28B	9.74	36.1	26.6	21.0	12.1	10.8	9.61	7.85B	7.44B	21
22	7.18B	8.18B	8.25B	11.0	35.4	26.8	20.4	11.9	10.5	9.59	7.85B	7.44B	22
23	7.25B	8.21B	8.25B	12.7	34.4	26.8	20.0	11.8	10.5	9.59	7.85B	7.44B	23
24	7.34B	8.21B	8.25B	28.3	33.84	26.7	19.6	11.7	10.5	9.49	7.78B	7.41B	24
25	7.38B	8.21B	8.21B	37.9	33.1	26.5	19.1	11.5	10.8	9.31	7.78B	7.41B	25
26	7.41B	8.21B	8.21B	40.4	32.3	27.0	18.5	11.9	12.5	9.21	7.74B	7.41B	26
27	7.47B	8.25B	8.18B	39.6	31.6	27.5	18.2	12.0	12.3	9.08	7.74B	7.41B	27
28	7.50B	8.25B	8.18B	37.0	30.6	27.5	18.2	12.3	12.1	8.95	7.74B	7.41B	28
29	7.54B		8.14B	36.4	29.6	27.2	18.3	12.3	11.8	8.96	7.71B	7.41B	29
30	7.57B		8.10B	36.6	28.7	26.7	17.8	12.3	11.6	8.86	7.71B	7.41B	30
31	7.60B		8.10B		28.1		17.8	11.9		8.74		7.41B	31
TOTAL	213.42	224.39	255.56	455.23	1 136.3	857.7	755.3	428.4	349.2	310.30	244.10	232.74	TOTAL
MEAN	6.88	8.01	8.24	15.2	36.7	28.6	24.4	13.8	11.6	10.0	8.14	7.51	MEAN
MAX	7.60	8.25	8.28	40.4	46.5	32.1	34.0	17.6	12.8	11.7	8.76	7.71	MAX
MIN	6.20	7.64	8.10	7.77	28.1	26.5	17.8	11.5	10.4	8.74	7.71	7.41	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.0
MAXIMUM DAILY, 46.5 ON MAY 10
MINIMUM DAILY, 6.20B ON JAN 01
MAXIMUM INSTANTANEOUS,
46.8 AT 12:00 CST ON MAY 10

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 54 30 N
LONG 093 06 00 W
DRAINAGE AREA, 2 370 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	18 400	JUL	65 300
FEB	19 400	AUG	37 000
MAR	22 100	SEP	30 200
APR	39 300	OCT	26 800
MAY	98 200	NOV	21 100
JUN	74 100	DEC	20 100

TOTAL DISCHARGE, 472 000 dam³

TURKEY CREEK AT WINDSOR - STATION NO. 02GH004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.215	0.310	0.439	0.343	0.168	0.151	0.161	0.136	0.139	0.132	0.138	0.303	1
2	0.171	1.23	0.581	0.460	0.157	0.763	0.119	0.135	0.115	0.127	0.127	0.253	2
3	0.272	0.421	0.532	0.317	0.153	1.72	0.133	0.133	0.105	0.126	0.125	3.84	3
4	2.80	0.319	0.362	0.262	1.72	0.243	0.145	0.577	0.118	0.708	0.204	1.78	4
5	0.512	0.355	0.319	0.291	0.466	0.169	0.169	0.230	0.134	0.158	2.78	0.752	5
6	0.268	0.506A	0.313	0.224	0.241	0.150	0.184	0.119	1.96	0.127	0.956	0.573	6
7	0.215	0.568A	0.274	0.338	0.197	0.141	0.122	0.118	5.99	0.423	0.435	0.496	7
8	0.210	0.718E	0.380	0.221	0.184	1.67	0.114	0.122	0.391	0.429	0.297	0.439	8
9	0.464	0.500E	2.41	0.226	0.178	0.250	0.215	0.126	0.219	4.38	0.277	0.391	9
10	0.546	0.380E	1.49	2.36	0.423	0.156	0.143	0.123	1.59	5.25	0.242	0.390	10
11	0.330	0.295E	1.13	1.18	0.142	0.153	0.183	0.316	0.658	2.00	0.185	0.381	11
12	0.248	0.232E	0.870	0.536	0.170	0.160	0.147	2.58	0.264	0.735	0.173	0.371	12
13	0.178	0.200E	0.633	0.369	1.88	0.166	0.156	0.258	0.206	0.500	0.176	0.432	13
14	0.154	0.196E	0.517	0.966	0.373	0.797	0.714	0.291	2.00	0.391E	0.163	0.369	14
15	0.169	0.190E	0.436	0.441	0.594	0.199	0.160	0.179	0.641	0.366E	0.174	0.564	15
16	0.190	0.235E	0.769	0.329	2.71	0.160	0.129	0.162	1.66	0.339E	0.174	0.455	16
17	0.967	0.310E	0.447	0.288	2.04	0.134	0.151	0.155	0.413	0.347	0.165	0.448	17
18	1.45	0.375E	0.324	0.242	0.652	0.136	0.155	0.371	0.271	2.99	0.178	0.947	18
19	0.444	0.380E	0.460	0.225	0.409	0.140	0.142	2.04	2.37	0.623E	0.210	0.635	19
20	0.330	0.355E	0.341	0.947	0.353	0.149	0.610	0.276	0.554	0.368	0.232	0.445	20
21	0.343	0.365E	0.289	1.04	0.226	0.148	0.855	0.636	1.23	0.267	0.247	1.69 A	21
22	0.398	16.9 A	0.466	0.403	0.242	0.537	0.640	0.222	0.946	0.239	0.928	1.08 A	22
23	0.344	3.78 E	0.373	0.308	0.199	0.445	0.547	0.186	0.343	0.218	0.359	0.800A	23
24	0.477	1.81	0.660	0.257	0.179	0.207	0.555	0.166	0.256	0.196	0.276	0.610B	24
25	0.494	0.737	0.220	0.235	0.180	0.138	0.152	0.149	0.206	0.172	0.248	0.491B	25
26	0.336	0.449	0.219	0.224	0.193	0.160	0.141	0.130	0.168	0.164	0.437	0.394B	26
27	0.254	0.497	0.216	0.206	0.137	0.665	0.141	0.146	0.152	0.142	0.570	0.297B	27
28	0.216	0.438	0.204	0.186	0.148	0.465	0.131	0.316	0.287	0.125	0.954	0.355B	28
29	0.232		0.270	0.155	0.150	0.218	0.125	0.161	0.172	0.130	0.441	5.79 A	29
30	0.206		0.519	0.168	0.140	0.443	0.201	0.144	0.141	0.142	0.347	4.54 A	30
31	0.186		0.250		0.143		0.170	0.141		0.145		1.24 B	31
TOTAL	13.019	33.051	16.313	13.757	15.117	11.033	7.120	12.866	23.695	22.449	12.218	31.547	TOTAL
MEAN	0.420	1.18	0.526	0.459	0.488	0.368	0.230	0.415	0.790	0.724	0.407	1.02	MEAN
MAX	2.20	16.9	2.41	2.36	2.71	1.72	0.855	2.58	5.99	5.25	2.78	5.79	MAX
MIN	0.154	0.190	0.204	0.155	0.137	0.134	0.114	0.118	0.105	0.125	0.125	0.253	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.581
MAXIMUM DAILY, 16.9A ON FEB 22
MINIMUM DAILY, 0.105 ON SEP 03
MAXIMUM INSTANTANEOUS,
18.5 AT 02:24 EST ON SEP 07

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 15 38 N
LONG 083 02 24 W
DRAINAGE AREA, 29.6 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 120	JUL	615
FEB	2 860	AUG	1 110
MAR	1 410	SEP	2 050
APR	1 190	OCT	1 940
MAY	1 310	NOV	1 060
JUN	953	DEC	2 730

TOTAL DISCHARGE, 18 300 dam³

TURTLE RIVER NEAR MINE CENTRE - STATION NO. 05PB014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.1A	11.2	11.3	22.0A	83.0	55.1	98.2	37.7	21.5	13.3	11.4	10.3	1
2	11.1	11.2	11.2	22.8A	86.4	54.6	95.9	36.7	21.4	13.6	11.2	10.2	2
3	11.1	11.2	11.1	23.5A	87.4	67.4	93.3	35.1	20.9	13.9	11.1	10.2	3
4	11.0	11.2	11.1	24.0A	87.4	85.0	90.2	34.9	20.1	13.8	11.1	10.1	4
5	10.9	11.2	11.0	24.3	86.3	96.5	87.8	34.4	19.8	14.0	11.1	10.1	5
6	11.0	11.2	11.0	24.3A	84.9	103	85.0	33.3	19.1	13.9	10.9	10.1	6
7	11.0	11.1	11.0	24.3	83.7	107	82.4	32.5	18.8	13.9	10.9	10.0	7
8	11.0	11.2	11.1	24.3	81.3	109	79.8	31.6	18.2	13.8	10.9	10.0	8
9	11.0	11.2	11.3	24.4	79.3	110	77.3	30.3	17.7	13.8	10.6	9.98	9
10	11.0	11.2	11.3	24.5A	77.3	112	75.1	29.7	17.4	13.6	10.4	9.93	10
11	11.0	11.2	11.5	24.5	75.8	111 A	72.3	28.8	17.0	13.3	10.3	9.95	11
12	11.0	11.2	11.8	24.5	74.1	109 E	69.8	28.2	16.7	13.2	10.4	10.1	12
13	10.9	11.1	12.1	24.4	72.3	106 A	67.5	27.6	16.5	13.1	10.4	10.2	13
14	10.9	11.1	12.4	24.4	72.9	102	65.1	26.5	16.1	12.9	10.3	10.1	14
15	10.9	11.0	13.7	24.5	71.7	98.3	63.1	25.9	15.9	12.7	10.3	10.2	15
16	10.9	11.1	15.5	24.5	70.8	94.2	61.6	25.0	15.9	12.6	10.2	10.1	16
17	10.9	11.1	16.9	24.1	70.5	91.2	59.6	24.4	15.8	12.4	10.2	10.1	17
18	10.9	11.2	17.8	24.1	71.3	89.8	57.1	23.8	15.4	12.3	10.1	10.1	18
19	10.9	11.2	18.5	24.3A	72.4	89.7	54.9	23.2	15.1	12.5	10.1	10.1	19
20	10.9	11.2	19.0	25.4A	72.2	92.3	53.1	22.6	15.0	12.3	10.1	10.2	20
21	11.0	11.2	19.4	26.6	71.5	97.1	51.3	22.2	14.7	12.2	10.2	10.3	21
22	11.0	11.2	19.8	28.1	70.4	101	50.0	21.8	14.5	12.2	9.98	10.3	22
23	11.0	11.1	19.9	30.2	69.1	104	48.8	21.4	14.6	11.8	9.85	10.2	23
24	11.2	11.1	19.9	33.0	68.2	105	47.3	21.0	14.5	11.6	10.1	10.2	24
25	11.2	11.0	20.0	36.5	66.9	106	45.9	22.3	14.3	11.6	10.2	10.3	25
26	11.1	11.1	19.9	41.7	65.4	105	44.6	23.5	14.2	11.6	10.1	10.3	26
27	11.1	11.3	19.8	49.9	63.8	105	43.0	23.7	13.9	11.1	10.2	10.3	27
28	11.1	11.3	19.8	57.9	62.0	103	41.9	23.4	13.7	11.6	10.3	10.4	28
29	11.1		19.7	67.9	60.4	101	41.0	22.9	13.7	11.5	10.1	10.4	29
30	11.2		19.8	77.0	58.5	99.7	39.9	22.5	13.6	11.5	10.3	10.4	30
31	11.2		20.4		56.8		38.7	22.2		11.5		10.4	31
TOTAL	341.6	312.6	479.0	931.9	2 273.9	2 909.9	1 981.5	839.1	496.0	393.1	313.53	315.56	TOTAL
MEAN	11.0	11.2	15.5	31.1	73.4	97.0	63.9	27.1	16.5	12.7	10.5	10.2	MEAN
MAX	11.2	11.3	20.4	77.0	87.4	112	98.2	37.7	21.5	14.0	11.4	10.4	MAX
MIN	10.9	11.0	11.0	22.0	56.8	54.6	38.7	21.0	13.6	11.1	9.85	9.93	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 31.7
MAXIMUM DAILY, 112 ON JUN 10
MINIMUM DAILY, 9.85 ON NOV 23
MAXIMUM INSTANTANEOUS,
112 AT 18:45 CST ON JUN 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 51 00 N
LONG 092 43 30 W
DRAINAGE AREA, 4 870 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	29 500	JUL	171 000
FEB	27 000	AUG	72 500
MAR	41 400	SEP	42 900
APR	80 500	OCT	34 000
MAY	196 000	NOV	27 100
JUN	251 000	DEC	27 300

TOTAL DISCHARGE, 1 000 000 dam³

TWENTY MILE CREEK ABOVE SMITHVILLE - STATION NO. 02HA020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.138B	1.47B	2.53 B	0.579	0.191	0.071	0.007	0	0.002	0.020	0.030	0.384	1
2	0.150B	3.33B	1.58 B	1.07	0.175	0.064	0.007	0	0.001	0.012	0.030	0.219	2
3	0.190B	3.16B	1.41 B	2.20	0.164	0.069	0.006	0	0	0.007	0.028	0.197	3
4	0.752B	3.55B	1.34 B	5.28	0.176	0.046	0.003	0	0	0.032	0.026	3.42	4
5	5.84 B	2.72B	1.20 B	4.83	0.347	0.027	0.002	0	0.004	0.043	0.084	4.02	5
6	4.65 B	2.60	0.934B	3.08	0.342	0.023	0.001	0	0.139	0.023	1.04	4.49	6
7	3.50 B	2.34	0.678B	1.83	0.358	0.020	0	0	0.151	0.011	1.72	3.45	7
8	2.80 B	4.73	0.439B	1.08	0.348	0.021	0	0	0.090	0.009	3.46	2.33	8
9	3.25	19.7 B	0.418	0.669	0.294	0.021	0.009	0	0.070	0.080	2.57	1.86	9
10	4.47	26.2 B	0.936	1.99	0.193	0.017	0.009	0	0.052	0.129	1.50	1.85	10
11	5.26	14.6 B	5.40	11.9	0.104	0.013	0.007	0	0.037	0.168	0.815	1.88	11
12	4.95 B	4.20B	20.2 B	8.73	0.073	0.010	0.005	0	0.025	0.277	0.456	1.73	12
13	4.10 B	2.48B	41.4 B	3.88	1.53	0.009	0.004	0	0.018	0.957	0.302	1.16	13
14	3.56 B	2.91B	32.8 B	2.19	3.25	0.008	0.003	0	0.016	1.06	0.228	0.707	14
15	2.86 B	2.37B	15.0	2.05	3.13	0.009	0.019	0	0.018	1.58	0.176	0.517	15
16	3.02	2.03B	5.86	2.00	4.75	0.009	0.024	0	0.014	1.68	0.144	0.575	16
17	8.10	2.12B	3.81	1.51	10.6	0.012	0.022	0	0.012	1.21	0.115	0.562	17
18	34.6 B	1.71B	2.80	1.05	8.19	0.017	0.013	0	0.010	0.915	0.092	1.97	18
19	31.5 B	1.44B	1.89 B	0.810	6.07	0.014	0.005	0.004	0.010	0.607	0.077	4.86	19
20	15.8 B	1.06B	1.62 B	0.622	4.34	0.010	0.006	0.009	0.010	0.327	0.063	5.30	20
21	8.68	1.01B	1.50 B	1.11	5.90	0.010	0.006	0.005	0.010	0.279	0.052	3.99	21
22	7.32	6.97	1.41 B	1.89	6.72	0.013	0.006	0.003	0.008	0.283	0.051	4.74	22
23	6.06 B	26.6 B	1.29 B	1.68	4.39	0.014	0.012	0.001	0.005	0.273	0.055	25.9	23
24	5.29 B	22.6 B	1.17 B	1.04	2.11	0.013	0.014	0	0.005	0.218	0.054	37.2 B	24
25	4.51 B	13.6 B	1.01 B	0.642	0.986	0.023	0.008	0	0.006	0.171	0.048	22.8 B	25
26	6.22 B	7.89B	0.866	0.430	0.484	0.016	0.006	0	0.007	0.131	0.051	11.5 B	26
27	4.36 B	5.57B	0.672	0.315	0.261	0.011	0.003	0	0.007	0.093	0.145	6.77 B	27
28	3.78 B	3.40B	0.479	0.258	0.177	0.008	0.002	0.011	0.006	0.078	0.209	5.70 B	28
29	3.25 B		0.373	0.229	0.137	0.009	0	0.016	0.006	0.057	0.322	17.7	29
30	2.30 B		0.337	0.211	0.113	0.008	0	0.008	0.022	0.045	0.471	80.5	30
31	1.54 B		0.386		0.086		0	0.004		0.037		68.3	31
TOTAL	181.800	192.36	151.738	65.155	65.989	0.615	0.209	0.061	0.761	10.812	14.414	324.581	TOTAL
MEAN	5.86	6.87	4.89	2.17	2.13	0.021	0.007	0.002	0.025	0.349	0.481	10.5	MEAN
MAX	34.6	26.6	41.4	11.9	10.6	0.071	0.024	0.016	0.151	1.68	3.46	80.5	MAX
MIN	0.138	1.01	0.337	0.211	0.073	0.008	0	0	0	0.007	0.026	0.197	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.76
MAXIMUM DAILY, 80.5 ON DEC 30
MINIMUM DAILY, 0 ON JUL 07
MAXIMUM INSTANTANEOUS,
92.0 AT 21:16 EST ON DEC 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 06 54 N
LONG 079 33 56 W
DRAINAGE AREA, 168 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	15 700	JUL	18.0
FEB	16 600	AUG	5.27
MAR	13 100	SEP	65.8
APR	5 630	OCT	934
MAY	5 700	NOV	1 250
JUN	53.1	DEC	28 000

TOTAL DISCHARGE, 87 100 dam³

TWENTY MILE CREEK AT BALLS FALLS - STATION NO. 02HA006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.240B	2.24	3.70 B	0.902	0.349	0.411	0.041	0.001	0.060	0.080	0.165	1.01	1
2	0.264B	5.82	2.98 B	1.16	0.317	0.339	0.039	0.001	0.041	0.053	0.150	0.917	2
3	0.333B	5.08B	2.52 B	2.05	0.307	0.353	0.038	0.003	0.022	0.044	0.131	0.997	3
4	1.75 B	5.48B	2.15 B	11.2	0.353	0.365	0.030	0.008	0.015	0.061	0.126	12.5	4
5	10.9 B	4.69B	1.84 B	13.8	0.631	0.346	0.022	0.010	0.024	0.085	0.190	11.1	5
6	7.10	4.18	1.44 B	6.65	0.943	0.314	0.022	0.014	0.018	0.083	1.77	6.88	6
7	4.46	3.79	1.35 B	3.69	0.954	0.247	0.018	0.016	0.020	0.063	3.05	5.27	7
8	4.00	8.65	1.26 B	2.21	0.887	0.246	0.017	0.019	0.013	0.057	2.52	4.08	8
9	3.99	35.3	0.950	1.49	0.754	0.213	0.033	0.023	0.010	0.182	3.03	3.25	9
10	6.12	38.1	1.62	4.05	0.609	0.204	0.012	0.029	0.016	0.362	2.32	2.91	10
11	8.76	24.3	12.3	27.2	0.406	0.192	0.010	0.021	0.025	0.586	1.68	2.61	11
12	7.84	10.9	38.8	17.6	0.341	0.129	0.009	0.003	0.026	0.877	1.23	2.32	12
13	6.04 B	4.29	57.8	8.02	0.913	0.118	0.009	0.070	0.035	1.47	0.913	2.05	13
14	5.62 B	5.23	49.0	3.78	4.68	0.084	0.008	0.059	0.054	1.81	0.709	1.55	14
15	4.39 B	4.22B	29.2	3.27	4.12	0.031	0.032	0.022	0.083	1.52	0.581	1.21	15
16	4.49	3.60B	12.7	2.76	6.60	0.031	0.030	0.096	0.064	1.45	0.490	1.34	16
17	11.2	3.94B	6.64	2.29	21.3	0.044	0.023	0.075	0.053	1.46	0.442	1.74	17
18	50.9	3.04B	4.41	1.75	15.2	0.087	0.018	0.060	0.048	2.96	0.388	1.84	18
19	46.8	2.10B	3.36	1.36	11.1	0.060	0.016	0.064	0.052	4.04	0.319	12.0	19
20	32.5	1.88B	3.01	1.17	8.03	0.059	0.017	0.067	0.057	1.89	0.282	8.46	20
21	18.2	1.79B	2.50	1.85	11.1	0.070	0.014	0.049	0.058	1.05	0.257	5.77	21
22	6.09	10.9	2.20	2.28	10.4	0.066	0.013	0.097	0.068	0.745	0.250	9.07	22
23	3.23	57.0	2.06	2.20	7.47	0.062	0.023	0.136	0.058	0.684	0.293	34.7 B	23
24	3.84	39.0	1.88	1.77	4.32	0.044	0.015	0.108	0.052	0.642	0.382	40.1 B	24
25	6.54	25.6 B	1.65	1.24	2.64	0.043	0.011	0.100	0.059	0.530	0.456	17.6 B	25
26	9.69	14.3 B	1.43	0.891	1.87	0.046	0.006	0.111	0.070	0.413	0.396	9.64 B	26
27	7.77	8.31B	1.18	0.676	1.43	0.045	0.004	0.108	0.068	0.327	0.747	5.01 B	27
28	6.72	5.23B	0.962	0.542	1.06	0.036	0.004	0.231	0.057	0.273	1.58	4.14 B	28
29	4.26		0.781	0.429	0.903	0.010	0.004	0.122	0.052	0.237	1.33	19.8	29
30	3.26		0.723	0.377	0.773	0.042	0.002	0.089	0.066	0.212	1.05	75.3 B	30
31	2.66		0.768		0.607		0.002	0.089		0.182		68.9	31
TOTAL	289.957	338.96	253.164	128.657	121.367	4.367	0.542	1.901	1.344	24.428	27.227	376.054	TOTAL
MEAN	9.35	12.1	8.17	4.29	3.92	0.146	0.018	0.061	0.045	0.788	0.908	12.1 *	MEAN
MAX	50.9	57.0	57.8	27.2	21.3	0.411	0.041	0.231	0.083	4.04	3.05	75.3	MAX
MIN	0.240	1.79	0.723	0.377	0.307	0.031	0.002	0.001	0.010	0.044	0.126	0.917	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.30
MAXIMUM DAILY, 75.3B ON DEC 30
MINIMUM DAILY, 0.001 ON AUG 01
MAXIMUM INSTANTANEOUS,
80.5 AT 02:00 EST ON DEC 31

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 08 02 N
LONG 079 23 00 W
DRAINAGE AREA, 293 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	25 100	JUL	46.8
FEB	29 300	AUG	164
MAR	21 900	SEP	116
APR	11 100	OCT	2 110
MAY	10 500	NOV	2 350
JUN	377	DEC	32 500

TOTAL DISCHARGE, 136 000 dam³

VENISON CREEK NEAR WALSINGHAM - STATION NO. 02GC021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.975	1.23	1.40B	1.66	1.08	0.913	0.740	0.474	0.629	0.781	0.838	1.04	1
2	0.858	2.05	1.39B	1.83	1.06	0.892	0.709	0.397	0.626	0.743	0.826	1.01	2
3	0.843	1.93	1.40B	1.95	1.02	0.997	0.685	0.390	0.613	0.723	0.822	1.42	3
4	0.973	1.56B	1.28B	1.93	1.10	1.07	0.666	0.431	0.614	0.979	0.824	2.00E	4
5	1.27	1.38B	1.19B	1.81	1.35	0.993	0.658	0.514	0.621	0.902	1.02	1.85E	5
6	1.18	1.31B	1.09B	1.70	1.23	0.943	0.649	0.507	0.674	0.816	1.56	1.65E	6
7	1.09	1.36	1.04B	1.58	1.12	0.910	0.646	0.528	0.970	0.780	1.33	1.50E	7
8	1.05	1.61	1.03B	1.49	1.06	1.10	0.634	0.539	0.715	0.769	1.10	1.35E	8
9	1.07	2.18	1.29	1.47	0.965	1.11	1.06	0.533	0.689	0.971	1.02	1.33E	9
10	1.22	2.15	1.90	1.87	1.02	1.01	0.835	0.533	0.673	1.02	1.05	1.38E	10
11	1.27	1.68	2.76	3.09	0.965	0.934	0.733	0.507	0.658	1.08	1.06	1.35E	11
12	1.22	1.45	3.62	2.26	0.968	0.887	0.702	0.464	0.647	1.09	1.03	1.26E	12
13	1.12	1.39	3.71	1.80	1.57	0.865	0.685	0.784	0.644	1.22	0.966	1.27E	13
14	1.04	1.37B	2.18	1.79	1.57	0.843	0.741	0.621	0.758	1.11	0.931	1.19E	14
15	1.01	1.38B	2.47	1.88	1.34	0.829	0.812	0.591	0.900	1.01	0.916	1.16	15
16	1.03	1.63A	2.05	1.72	1.71	0.802	0.743	0.580	0.780	0.949	0.923	1.33	16
17	1.62 B	1.52B	1.89	1.66	2.25	0.778	0.709	0.580	0.765	0.937	0.921	1.33	17
18	4.99 B	1.35B	1.73	1.54	1.99	0.849	0.687	0.646	0.743	1.04	0.883	1.55A	18
19	3.81	1.25B	1.68	1.43	1.60	0.792	0.672	0.658	0.752	1.12	0.870	1.84A	19
20	2.07	1.18B	1.65	1.53	1.51	0.765	0.681	0.633	0.739	1.05	0.853	1.59	20
21	1.66	1.16	1.62	2.03	1.45	0.760	0.680	0.622	0.715	1.00	0.857	1.57A	21
22	1.51	2.90B	1.61	1.88	1.35	0.763	0.682	0.612	0.766	0.982	1.01	2.19A	22
23	1.39	5.60B	1.68	1.65	1.25	0.866	0.685	0.601	0.715	0.958	1.10	3.71	23
24	1.58	4.26	1.60	1.51	1.17	0.870	0.629	0.596	0.729	0.943	1.08	3.63	24
25	1.83	2.80B	1.50	1.41	1.11	0.813	0.584	0.592	0.695	0.921	1.02	2.23	25
26	1.81	2.50B	1.45	1.33	1.07	0.768	0.576	0.585	0.682	0.903	0.957	1.76E	26
27	1.55	1.70B	1.39	1.27	1.02	0.755	0.560	0.578	0.678	0.885	1.24	1.60E	27
28	1.47	1.54B	1.36	1.22	0.972	0.738	0.537	0.923	0.674	0.892	1.34	1.51E	28
29	1.40		1.35	1.18	1.04	0.729	0.494	0.871	0.714	0.889	1.20	5.09	29
30	1.33		1.54	1.13	1.01	0.731	0.489	0.679	0.902	0.870	1.09	8.90	30
31	1.22		1.66		0.951		0.498	0.642		0.857		6.86	31
TOTAL	46.459	53.42	54.51	50.60	38.871	26.075	20.861	18.211	21.480	29.190	30.637	67.45	TOTAL
MEAN	1.50	1.91	1.76	1.69	1.25	0.869	0.673	0.588	0.716	0.942	1.02	2.18	MEAN
MAX	4.99	5.60	3.71	3.09	2.25	1.11	1.06	0.923	0.970	1.22	1.56	8.90	MAX
MIN	0.843	1.16	1.03	1.13	0.951	0.729	0.489	0.390	0.613	0.723	0.822	1.01	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.25
MAXIMUM DAILY, 8.90 ON DEC 30
MINIMUM DAILY, 0.390 ON AUG 03
MAXIMUM INSTANTANEOUS,
9.37 AT 08:39 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 40 27 N
LONG 080 36 00 W
DRAINAGE AREA, 68.4 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	4 010	JUL	1 800
FEB	4 620	AUG	1 370
MAR	4 710	SEP	1 960
APR	4 370	OCT	2 520
MAY	3 360	NOV	2 650
JUN	2 250	DEC	5 830

TOTAL DISCHARGE, 39 600 dam³

VERMILION RIVER AT LORNE FALLS - STATION NO. 02CF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	10.0	15.3	10.3	71.4	119	99.2	83.8	19.5	2.97	6.80	38.3	142	1
2	9.91	16.2	10.4	67.7	116	78.1	95.1	17.0	2.04	6.68	37.5	146	2
3	8.69	13.1	9.09	65.1	119	68.3	108	14.5	1.93	7.62	36.0	129	3
4	8.64	16.1	10.6	63.2	106	70.9	108	14.6	7.31	7.08	35.0	139	4
5	8.67	16.6	11.9	61.1	101	70.6	100	14.6	8.24	7.36	28.6	132	5
6	9.57	18.0	14.4	60.3	91.1	70.3	96.5	14.4	8.33	8.61	36.6	115	6
7	9.23	15.7	17.0	59.2	83.8	65.3	83.8	14.3	7.11	10.4	30.8	82.4	7
8	8.38	16.3	13.5	59.4	75.7	63.3	75.7	13.8	6.65	10.2	25.0	79.6	8
9	11.8	17.8	11.7	58.4	72.7	61.8	68.8	13.4	7.22	8.92	32.2	79.6	9
10	12.9	17.1	9.00	56.2	69.0	57.4	60.7	13.5	6.63	9.91	12.7	76.3	10
11	9.80	17.5	7.93	56.6	73.4	53.6	56.6	13.7	6.77	11.9	37.5	71.0	11
12	12.3	18.1	10.6	55.6	60.9	49.8	53.4	13.6	6.00	13.0	35.7	67.9	12
13	7.62	16.0	12.0	56.9	78.7	42.9	49.8	13.1	6.40	12.1	34.2	64.4	13
14	7.11	15.4	13.2	57.0	80.4	39.4	43.9	12.3	7.62	13.9	36.6	64.6	14
15	6.29	17.2	20.5	56.0	82.9	35.8	37.1	12.2	7.05	14.0	35.7	63.3	15
16	9.32	16.0	35.3	53.4	85.1	31.9	35.1	12.3	7.05	14.0	37.2	54.1	16
17	12.1	13.7	56.5	55.0	92.1	28.1	35.0	11.9	6.23	18.1	37.0	53.9	17
18	13.8	12.4	82.1	55.7	128	26.7	33.8	11.9	6.85	18.0	41.7	49.7	18
19	7.62	16.9	99.0	54.3	171	26.5	33.0	9.43	6.74	18.7	46.8	48.8	19
20	9.06	17.5	115	55.7	211	26.5	29.3	9.32	7.59	21.5	50.0	49.1	20
21	13.7	15.0	126	56.8	235	25.9	35.2	8.67	7.05	27.0	56.9	42.9	21
22	17.3	11.8	132	57.6	239	28.5	30.8	10.1	6.43	29.9	60.7	41.1	22
23	16.8	12.2	134	61.0	242	41.1	28.2	8.95	6.88	33.3	70.5	44.7	23
24	16.2	11.3	125	66.3	243	47.8	29.0	7.59	6.17	39.0	80.0	43.4	24
25	11.6	11.2	127	74.4	217	55.5	26.7	6.31	11.9	37.6	91.5	43.9	25
26	12.2	13.8	117	86.9	209	68.2	26.5	5.83	6.57	38.0	95.6	43.1	26
27	17.2	14.9	98.0	96.9	190	78.5	24.1	5.75	6.71	39.2	94.0	41.6	27
28	15.4	13.0	95.1	107	166	79.5	23.2	5.18	5.89	37.2	103	40.4	28
29	15.9		86.8	116	166	81.0	22.7	5.38	6.03	33.6	118	39.4	29
30	17.2		82.9	121	141	79.6	21.4	4.30	6.03	29.6	134	39.2	30
31	16.4		77.4		116		20.6	3.23		35.3		38.9	31
TOTAL	362.71	426.1	1 771.22	2 022.1	4 180.8	1 652.0	1 575.8	340.64	196.39	618.48	1 599.3	2 166.8	TOTAL
MEAN	11.7	15.2	57.1	67.4	135	55.1	50.8	11.0	6.55	20.0	53.3	69.9	MEAN
MAX	17.3	18.1	134	121	243	99.2	108	19.5	11.9	39.2	134	146	MAX
MIN	6.29	11.2	7.93	53.4	60.9	25.9	20.6	3.23	1.93	6.68	12.7	38.9	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 46.3
MAXIMUM DAILY, 243 ON MAY 24
MINIMUM DAILY, 1.93 ON SEP 03

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 46 18 55 N
LONG 081 31 18 W
DRAINAGE AREA, 4 190 km²

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	31 300	JUL	136 000
FEB	36 800	AUG	29 400
MAR	153 000	SEP	17 000
APR	175 000	OCT	53 400
MAY	361 000	NOV	138 000
JUN	143 000	DEC	187 000

TOTAL DISCHARGE, 1 460 000 dam³

DATA CONTRIBUTED BY -
INTERNATIONAL NICKEL COMPANY OF CANADA LIMITED REGULATED

REMARKS - INCLUDES ONAPING LAKE BASIN. EXTREME HIGH WATER SPILLED INTO RIVER SYSTEM

VERMILION RIVER NEAR VAL CARON - STATION NO. 02CF011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.47B	3.20B	2.63B	12.0	33.2	18.0	16.3	5.09	1.85E	2.35E	5.40	20.6	1
2	3.46B	3.18B	2.65B	11.9	30.5	16.6	16.3	4.84	1.70E	2.42E	5.17	19.1	2
3	3.45B	3.15B	2.63B	11.8	28.1	15.7	15.1	4.48	1.68E	2.32E	5.03	17.7	3
4	3.47B	3.12B	2.59B	11.4B	25.8	15.0	14.3	4.34	1.70E	2.30E	4.94	16.9 B	4
5	3.49B	3.10B	2.56B	11.4	23.7	14.3	13.4	4.37	1.82E	2.45	5.00	16.1 B	5
6	3.47B	3.11B	2.51B	11.2B	21.9	13.5	12.4	4.12	1.67E	2.51E	5.77	15.3 B	6
7	3.43B	3.12B	2.48B	10.8B	20.2	12.8	11.5	3.94	1.55E	2.32E	5.87	14.6 B	7
8	3.42B	3.13B	2.45B	10.7B	20.1	12.1	11.1	3.77	1.40E	2.26E	5.69	14.0 B	8
9	3.44B	3.14B	2.48B	10.9	20.6	12.0	11.0	3.65	1.30E	2.28E	5.64	13.5 B	9
10	3.45B	3.16B	2.60B	11.3	21.0	11.9	10.7	3.66	1.20E	2.40E	5.80	12.9 B	10
11	3.38B	3.12B	2.75B	11.3	22.5	11.3	10.2	3.64	1.15E	2.93	5.81	12.4 B	11
12	3.33B	3.11B	2.88B	11.0	22.6	10.7	9.45	3.43	1.33E	3.11	5.73	11.9 B	12
13	3.27B	3.10B	3.10B	10.7	21.7	10.4	8.90	3.53	1.28E	3.03	5.55E	11.6 B	13
14	3.20B	3.02B	3.50B	10.6	21.3	10.1	8.37	3.43	1.65E	2.95	5.40E	11.1 B	14
15	3.15B	2.99B	4.00B	10.6	20.7	9.69	7.99	3.32	2.15E	3.06	5.25	10.7 B	15
16	3.10B	2.95B	6.68	10.7	19.9	9.19	7.63	3.21	2.10E	3.12	5.62	10.4 B	16
17	3.15B	2.90B	10.8	11.1	21.4	8.89	7.40	3.08	2.04E	3.51	6.44	10.1 B	17
18	3.35B	2.87B	14.5	11.2	24.6	8.23	7.35	2.98	1.85E	4.34	6.89	9.75B	18
19	3.65B	2.85B	15.0 B	11.0	66.6	10.8	7.12	2.84	2.00E	6.07	6.95	9.50B	19
20	3.62B	2.82B	15.6 B	11.6	64.0	9.74	8.98	2.71	1.82E	6.12	7.10	9.35B	20
21	3.59B	2.83B	15.2 B	13.0	58.2	8.94	7.04	2.65	2.05E	5.80	7.39	9.30B	21
22	3.56B	2.84B	14.8 B	15.0	58.0	8.41	6.06	2.58	2.32E	5.99	8.72	9.25B	22
23	3.50B	2.80B	14.6 B	17.9	48.9	10.5	5.72	2.53	2.28E	5.92	10.4	9.00B	23
24	3.47B	2.76B	14.2 B	22.7	41.4	14.3	5.45	2.45	2.24E	5.94	11.9	8.70B	24
25	3.42B	2.72B	13.9 B	30.2	36.5	13.9	5.27	2.42	2.21E	5.98	12.5	8.50B	25
26	3.42B	2.69B	13.7 B	35.6	32.7	12.9	5.15	2.36	2.19E	5.84	12.4	8.20B	26
27	3.43B	2.66B	13.4 B	43.4	29.5	12.8	5.00	2.35E	2.15E	5.72	13.1	8.00B	27
28	3.39B	2.62B	13.2 B	43.6	26.7	12.1	4.67	2.35E	2.06E	5.96	16.9	7.85B	28
29	3.31B		12.8 B	40.4	24.1	13.0	4.48	2.36E	1.95E	5.91	21.7	7.75B	29
30	3.27B		12.6 B	36.6	21.7	14.6	4.64	2.15E	2.25E	5.91	22.3	7.60B	30
31	3.24B		12.4		19.8		4.82	2.02E		5.77		7.45B	31
TOTAL	105.35	83.06	255.19	521.6	969.9	363.39	273.79	100.65	54.94	126.59	252.36	359.10	TOTAL
MEAN	3.40	2.97	8.23	17.4	31.3	12.1	8.83	3.25	1.83	4.08	8.41	11.6	MEAN
MAX	3.65	3.20	15.6	43.6	66.6	18.0	16.3	5.09	2.35	6.12	22.3	20.6	MAX
MIN	3.10	2.62	2.45	10.6	19.8	8.41	4.48	2.02	1.15	2.26	4.94	7.45	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.50
MAXIMUM DAILY, 66.6 ON MAY 19
MINIMUM DAILY, 1.15E ON SEP 11
MAXIMUM INSTANTANEOUS,
67.9 AT 17:02 EST ON MAY 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 41 07 N
LONG 081 00 32 W
DRAINAGE AREA, 704 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 100	JUL	23 700
FEB	7 180	AUG	8 700
MAR	22 000	SEP	4 750
APR	45 100	OCT	10 900
MAY	83 800	NOV	21 800
JUN	31 400	DEC	31 000

TOTAL DISCHARGE, 299 000 dam³

REMARKS - DATA PRIOR TO 1980 CONTRIBUTED BY ONT. MINISTRY OF THE ENVIRONMENT AND FORMERLY PUBLISHED UNDER STA. NO. 02CF101

VEUVE RIVER NEAR VERNER - STATION NO. 02DD012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.765B	3.60B	1.59B	14.5 B	26.6	6.76	16.1	2.08	0.328	3.13	14.9	56.8	1
2	0.760B	3.50B	1.61B	15.3 B	21.5	4.95	12.8	1.81	0.315E	6.55	13.4	45.6	2
3	0.755B	3.38B	1.48B	9.00B	17.2	3.78	8.47	1.34	0.300	7.55	13.1	31.0	3
4	0.920B	3.25B	1.40B	9.30B	13.7	3.25	6.56	1.13	0.276	9.35	12.0	26.4	4
5	1.17	3.13B	1.32B	9.45B	11.4	2.88	6.37	1.21	0.279	11.7	15.4	22.2 B	5
6	1.15 B	3.03B	1.27B	8.95B	10.2	2.46	5.51	1.50	0.256	9.51	17.2	19.0 B	6
7	1.12 B	2.92B	1.20B	8.60B	9.16	2.26	4.59	1.83	0.253	7.36	18.3	17.0 B	7
8	1.21 B	2.87B	1.16B	8.25B	11.9	1.81	3.52	1.70	0.229	6.10	16.6	15.9 B	8
9	1.35 B	2.85B	1.13B	8.80B	14.1	1.70	3.08	1.48	0.220	5.49	15.2	14.6 B	9
10	1.34 B	2.89B	1.16B	12.3 B	27.6	1.81	3.29	1.21	0.223	8.68	14.5	13.0 B	10
11	1.32 B	2.83B	1.19B	11.9 B	35.3	2.16	3.07	1.12	0.242	47.2	14.6	12.2 B	11
12	1.30 B	2.74B	1.57B	11.4 B	31.3	2.07	2.33	1.08	0.285	37.8	13.7	11.8 B	12
13	1.28 B	2.69B	2.64B	11.2 B	24.3	2.01	1.77	0.975	0.354	26.0	13.1	10.9 B	13
14	1.27 B	2.60B	5.52B	11.0 B	18.6	2.08	1.32	0.924	0.524	20.3	12.3	10.2 B	14
15	1.26 B	2.52B	13.0 B	14.0 B	15.6	2.24	1.08	0.753	2.07	22.3	13.6	9.60B	15
16	1.25 B	2.46B	39.9 B	13.6 B	16.6	1.98	0.969	0.671	2.61	21.5	27.9	9.05B	16
17	1.45 B	2.38B	60.7 B	17.5 B	74.5	1.61	0.976	0.634	2.06	58.5	43.3	8.55B	17
18	2.00 B	2.32B	66.2 B	17.0 B	226	1.62	1.17	0.574	1.57	54.5	54.5	8.20B	18
19	2.90 B	2.25B	59.4 B	18.0 B	247	2.44	1.18	0.476	1.11	39.4	46.5	7.80B	19
20	4.60 B	2.19B	55.0 B	31.6	183	3.91	1.14	0.415	0.918	67.0	22.4	7.50B	20
21	4.45 B	2.16B	52.0 B	40.0	115	3.79	0.965	0.371	0.780	50.5	21.2	7.20B	21
22	4.30 B	2.17B	53.0 B	44.7	75.4	3.40	0.750	0.334	1.25	44.0	17.6	7.50B	22
23	4.15 B	2.18B	56.0 B	51.7	50.3	5.91	0.627	0.311	2.26	37.3	16.3	8.50B	23
24	4.00 B	2.00B	49.7 B	55.8	40.9	34.6	0.536	0.309E	3.06	33.5	43.3	7.70B	24
25	3.90 B	1.88B	43.7 B	61.2	33.2	30.5	0.451	0.302	2.75	30.6	36.9	7.10B	25
26	4.05 B	1.75B	36.3 B	61.8	28.5	18.4	0.386	0.288	2.65	26.0	29.1	6.55B	26
27	4.30 B	1.68B	28.9 B	56.5	24.7	11.4	0.363	0.280	2.55	23.0	35.7	6.15B	27
28	4.15 B	1.63B	23.9 B	47.6	21.0	8.56	0.362	0.304	2.28	21.7	83.0	6.00B	28
29	4.00 B		20.5 B	39.2	14.8	7.13	0.361	0.359	2.07	21.1	93.0	6.05B	29
30	3.90 B		18.2 B	32.6	10.1	11.6	0.684	0.356	1.95	19.0	72.8	6.30B	30
31	3.75 B		15.7 B		8.32		1.53	0.340		16.7		6.00B	31
TOTAL	74.120	71.87	716.34	752.75	1 461.38	189.07	92.310	26.369	35.922	802.65	871.6	431.05	TOTAL
MEAN	2.39	2.57	23.1	25.1	47.1	6.30	2.98	0.851	1.20	25.9	29.1	13.9	MEAN
MAX	4.60	3.60	66.2	61.8	247	34.6	16.1	2.08	3.06	79.1	93.0	56.8	MAX
MIN	0.755	1.63	1.13	8.25	8.32	1.61	0.361	0.280	0.220	3.13	12.1	6.00	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.1
MAXIMUM DAILY, 247 ON MAY 19
MINIMUM DAILY, 0.220 ON SEP 09
MAXIMUM INSTANTANEOUS,
264 AT 03:11 EST ON MAY 19

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 24 07 N
LONG 080 06 00 W
DRAINAGE AREA, 741 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	6 400	JUL	7 980
FEB	6 210	AUG	2 280
MAR	61 900	SEP	3 100
APR	65 000	OCT	69 300
MAY	126 000	NOV	75 300
JUN	16 300	DEC	37 200

TOTAL DISCHARGE, 477 000 dam³

WABIGOON RIVER AT DRYDEN - STATION NO. 05QD016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.11	3.11	3.11	3.11	4.25	5.38	18.4	11.6	4.53	3.40	3.26	2.97	1
2	3.11	3.11	3.11	3.40	5.24	5.66	18.4	11.6	4.25	3.26	2.97	2.97	2
3	3.11	3.11	3.11	3.40	5.24	5.66	18.4	11.6	4.25	3.26	2.97	2.97	3
4	3.11	3.11	3.11	3.40	5.24	43.6	18.4	7.93	4.25	3.26	2.97	2.97	4
5	3.11	3.11	3.11	3.40	5.24	43.6	18.4	7.93	4.25	3.26	2.97	2.97	5
6	3.11	3.11	3.11	3.40	5.80	59.2	18.4	7.93	4.25	3.26	2.97	2.97	6
7	3.11	3.11	3.11	3.40	5.80	59.2	18.4	7.93	4.25	3.26	2.97	2.97	7
8	3.11	3.11	3.11	3.40	4.96	59.2	18.4	7.93	4.25	3.26	2.97	2.97	8
9	3.11	3.11	3.11	3.40	4.96	59.2	18.4	7.93	4.25	3.26	2.97	2.97	9
10	3.11	3.11	3.11	3.40	4.96	59.2	18.4	7.93	4.25	3.26	2.97	2.97	10
11	3.11	3.11	3.11	3.40	4.25	59.2	18.4	7.93	4.25	3.26	2.97	2.97	11
12	3.11	3.11	3.11	3.40	4.25	49.8	18.4	7.93	4.25	3.26	2.97	2.97	12
13	3.11	3.11	3.11	3.40	4.25	49.8	18.4	7.93	4.25	3.26	2.97	2.97	13
14	3.11	3.11	3.11	3.40	4.25	49.8	18.4	4.53	4.25	3.26	2.97	2.97	14
15	3.11	3.11	3.11	3.40	4.25	32.3	18.4	4.53	4.25	3.26	2.97	2.97	15
16	3.11	3.11	3.11	3.40	4.96	32.3	18.4	4.53	4.25	3.26	2.97	2.97	16
17	3.11	3.11	3.11	3.40	4.96	32.3	18.4	4.53	3.40	3.26	2.97	2.97	17
18	3.11	3.11	3.11	3.40	4.96	32.3	18.4	4.53	3.40	3.26	2.97	2.97	18
19	3.11	3.11	3.11	3.68	4.96	32.3	18.4	4.53	3.40	3.26	2.97	2.97	19
20	3.11	3.11	3.11	3.68	4.96	65.4	16.1	4.53	3.40	3.26	2.97	2.97	20
21	3.11	3.11	3.11	3.68	4.96	65.4	16.1	4.53	3.40	3.26	2.97	2.97	21
22	3.11	3.11	3.11	3.68	4.96	65.4	16.1	4.53	3.40	3.26	2.97	2.97	22
23	3.11	3.11	3.11	3.68	4.96	65.4	16.1	4.53	3.40	3.26	2.97	2.97	23
24	3.11	3.11	3.11	3.68	5.38	65.4	16.1	4.53	3.40	3.26	2.97	2.97	24
25	3.11	3.11	3.11	3.68	5.38	65.4	15.1	4.53	3.40	3.26	2.97	2.97	25
26	3.11	3.11	3.11	4.25	5.38	65.4	11.6	4.53	3.40	3.26	2.97	2.97	26
27	3.11	3.11	3.11	4.25	5.38	65.4	11.6	4.53	3.40	3.26	2.97	2.97	27
28	3.11	3.11	3.11	4.25	5.38	65.4	11.6	4.53	3.40	3.26	2.97	2.97	28
29	3.11		3.11	4.25	5.38	18.4	11.6	4.53	3.40	3.26	2.97	2.97	29
30	3.11		3.11	4.25	5.38	18.4	11.6	4.53	3.40	3.26	2.97	2.97	30
31	3.11		3.11		5.38		11.6	4.53		3.26		2.97	31
TOTAL	96.41	87.08	96.41	107.92	155.66	1 395.40	515.8	195.64	115.88	101.20	89.39	92.07	TOTAL
MEAN	3.11	3.11	3.11	3.60	5.02	46.5	16.6	6.31	3.86	3.26	2.98	2.97	MEAN
MAX	3.11	3.11	3.11	4.25	5.80	65.4	18.4	11.6	4.53	3.40	3.26	2.97	MAX
MIN	3.11	3.11	3.11	3.11	4.25	5.38	11.6	4.53	3.40	3.26	2.97	2.97	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.35
MAXIMUM DAILY, 65.4 ON JUN 20
MINIMUM DAILY, 2.97 ON NOV 02

DATA CONTRIBUTED BY -
GREAT LAKES FOREST PRODUCTS LIMITED

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 49 49 45 N
LONG 092 52 15 W
DRAINAGE AREA, 2 300 km²

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	8 330	JUL	44 600
FEB	7 520	AUG	16 900
MAR	8 330	SEP	10 000
APR	9 320	OCT	8 740
MAY	13 400	NOV	7 720
JUN	121 000	DEC	7 950

TOTAL DISCHARGE, 264 000 dam³

WABIGOON RIVER NEAR QUIBELL - STATION NO. 05QD006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	10.0	9.69	10.6	17.3	32.1	12.7	71.0	31.4	19.8	12.5	18.0	15.2	1
2	9.72	9.66	12.0	18.3	31.7	14.6	56.7	31.0	17.8	12.3	17.0	11.6	2
3	10.1	9.56	12.7	18.4	27.7	42.7	50.6	31.0	16.9	12.4	16.1	8.59	3
4	9.99	9.94	10.9	17.6	23.9	82.7	50.8	30.0	16.9	12.1	14.1	9.67	4
5	9.93	10.2	10.5	16.9	21.2	96.7	50.9	25.5	17.5	12.3	12.9	13.8	5
6	9.91	10.0	11.5	16.3	19.3	104	50.2	22.8	18.3	12.2	14.8	16.1	6
7	9.85	10.0	12.5	15.3	18.3	108	48.8	22.2	18.0	11.9	16.8	17.2	7
8	10.4	9.39	12.9	13.4	17.6	109	46.6	24.9	17.8	11.8	17.7	16.9	8
9	10.2	9.26	13.1	13.2	17.4	108	47.9	25.7	16.3	12.0	17.8	13.8	9
10	10.2	9.72	12.6	15.0	18.0	106	52.0	26.2	15.4	13.4	17.3	12.4	10
11	10.1	9.84	10.5	15.6	18.4	102	53.6	26.0	14.2	13.6	14.2	15.1	11
12	9.77	10.1	8.26	15.6	18.1	97.8	52.4	23.0	12.5	14.5	11.5	17.1	12
13	9.95	10.1	6.90	15.3	17.5	91.8	49.5	21.4	11.9	16.4	13.5	17.6	13
14	9.96	10.2	9.06	14.0	17.3	84.6	47.2	22.6	11.9	14.6	16.2	17.7	14
15	10.0	9.74	15.2	13.3	17.2	77.7	43.9	23.0	12.1	13.1	17.1	16.8	15
16	9.93	10.2	21.9	12.9	17.4	67.3	41.2	23.0	12.5	15.1	17.5	13.7	16
17	9.95	9.90	19.0	14.3	17.0	60.9	42.8	23.0	12.9	17.0	17.0	12.6	17
18	9.80	10.1	13.2	15.2	17.0	63.9	44.1	23.0	14.4	17.6	13.4	15.4	18
19	9.78	9.60	12.5	16.9	17.1	70.7	43.4	19.9	15.3	18.1	11.7	16.5	19
20	9.98	10.4	16.2	19.2	16.3	84.7	42.6	18.0	14.4	17.8	14.3	16.4	20
21	9.85	10.7	16.1	21.1	15.3	109	38.1	19.5	14.0	14.6	16.6	16.6	21
22	10.2	10.7	15.4	22.6	14.7	122	34.5	20.7	14.0	13.2	16.2	16.6	22
23	10.1	9.89	15.1	24.0	14.9	126	33.4	21.2	12.9	15.3	16.9	12.9	23
24	9.86	10.3	14.5	24.1	15.0	124	32.5	20.8	12.1	17.3	17.0	10.7	24
25	10.1	9.66	12.0	24.7	14.8	120	36.4	20.1	12.8	18.1	14.0	10.3	25
26	10.2	9.57	11.7	24.2	14.4	116	36.1	18.3	13.0	18.3	12.2	10.1	26
27	10.0	9.53	13.2	24.6	14.1	114	35.0	16.9	14.5	17.4	14.4	9.91	27
28	9.60	9.82	13.8	24.4	13.9	112	33.5	17.6	17.2	14.9	16.2	10.0	28
29	9.73		14.8	25.3	13.4	107	28.3	19.2	15.4	13.3	16.0	12.4	29
30	10.1		14.8	29.3	13.2	92.2	26.0	20.1	13.3	15.5	16.8	11.2	30
31	9.84		18.0		12.9		29.2	20.7		17.2		10.4	31
TOTAL	309.10	277.77	411.72	554.9	557.1	2 728.0	1 352.2	708.7	446.0	455.5	465.2	425.27	TOTAL
MEAN	9.97	9.92	13.3	18.5	18.0	90.9	43.6	22.9	14.9	14.7	15.5	13.7	MEAN
MAX	10.4	10.7	21.9	29.3	32.1	126	71.0	31.4	19.8	18.3	18.0	17.7	MAX
MIN	9.60	9.26	6.90	12.9	12.9	12.7	26.0	16.9	11.9	11.8	11.5	8.59	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 23.8
MAXIMUM DAILY, 126 ON JUN 23
MINIMUM DAILY, 6.90 ON MAR 13
MAXIMUM INSTANTANEOUS,
126 AT 17:00 CST ON JUN 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 57 20 N
LONG 093 23 50 W
DRAINAGE AREA, 6 370 km²

REGULATED SINCE 1914

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	26 700	JUL	117 000
FEB	24 000	AUG	61 200
MAR	35 600	SEP	38 500
APR	47 900	OCT	39 400
MAY	48 100	NOV	40 200
JUN	236 000	DEC	36 700

TOTAL DISCHARGE, 751 000 dam³

REMARKS - MAXIMUM INSTANTANEOUS DATA BASED ON CORRECTED TELEMARK II DATA

WABOOSE LAKE RESERVOIR AT WABOOSE DAM - STATION NO. 04GB002

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	325.170	325.110	325.060	325.000	---	326.430	326.650	326.490	325.710	325.200	325.010	325.150	1
2	325.160	325.110	325.060	324.980	---	326.420	326.650	326.470	325.670	325.190	325.020	325.150	2
3	325.160	325.110	325.060	324.980	---	326.470	326.640	326.460	325.650	325.200	325.040	325.150	3
4	325.160	325.110	325.050	324.980	---	326.520	326.650	326.450	325.660	325.230	325.040	325.160	4
5	325.150	325.110	325.060	324.980	---	326.540	326.660	326.420	325.630	325.230	325.020	325.160	5
6	325.150	325.100	325.060	324.970	---	326.580	326.650	326.390	325.600	325.200	325.020	325.160	6
7	325.150	325.100	325.060	324.970	---	326.570	326.640	326.370	325.570	325.190	325.050	325.160	7
8	325.140	325.100	325.050	324.960	---	326.560	326.680	326.350	325.560	325.170	325.040	325.170	8
9	325.150	325.090	325.050	324.960	---	326.570	326.700	326.320	325.520	325.160	325.060	325.170	9
10	325.150	325.090	325.050	324.960	---	326.560	326.700	326.280	325.520	325.150	325.080	325.170	10
11	325.150	325.090	325.050	324.960E	---	326.550	326.680	326.260	325.500	325.140	325.090	325.170	11
12	325.150	325.080	325.040	324.960E	---	326.560	326.690	326.240	325.470	325.140	325.080	325.170	12
13	325.150	325.090	325.030	324.960E	---	326.560	326.690	326.210	325.430	325.110	325.080	325.180	13
14	325.140	325.080	325.020	324.960E	---	326.550	326.680	326.200	325.430	325.110	325.080	325.180	14
15	325.140	325.080	325.020	---	---	326.540	326.680	326.160	325.400	325.110	325.090	325.180	15
16	325.140	325.080	325.020	---	---	326.530	326.690	326.130	325.400	325.110	325.090	325.180	16
17	325.140	325.080	325.020	---	---	326.530	326.670	326.090	325.380	325.090	325.090	325.180	17
18	325.140	325.080	325.020	---	---	326.570	326.690	326.040	325.370	325.080	325.090	325.180	18
19	325.130	325.080	325.020	---	325.900	326.570	326.670	326.020	325.370	325.060	325.090	325.180	19
20	325.130	325.080	325.020	---	325.950	326.580	326.660	326.000	325.330	325.050	325.090	325.190	20
21	325.120	325.080	325.020	---	326.000	326.590	326.650	325.980	325.320	325.080	325.120	325.200	21
22	325.120	325.080	325.010E	---	326.050	326.610	326.640	325.950	325.340	325.060	325.130	325.200	22
23	325.120	325.070	325.010E	---	326.100	326.630	326.640	325.920	325.320	325.050	325.130	325.210	23
24	325.120	325.070	325.010E	---	326.140	326.630	326.630	325.900	325.290	325.050	325.130	325.210	24
25	325.120	325.070	325.000E	---	326.180	326.630	326.620	325.870	325.270	325.040	325.130	325.210	25
26	325.120	325.070	325.000E	---	326.230	326.630	326.600	325.840	325.270	325.030	325.130	325.210	26
27	325.110	325.070	325.000E	---	326.280	326.630	326.580	325.810	325.260	325.050	325.130	325.210	27
28	325.120	325.070	325.000E	---	326.300	326.640	326.570	325.810	325.240	325.050	325.140	325.210	28
29	325.110		325.000E	---	326.330	326.630	326.570	325.780	325.220	325.030	325.150	325.220	29
30	325.120		325.000E	---	326.370	326.630E	326.540	325.750	325.210	325.030	325.150	325.220	30
31	325.110		324.990		326.410		326.520	325.720		325.010		325.220	31
MEAN	325.137	325.087	325.028	---	---	326.566	326.645	326.119	325.430	325.110	325.086	325.184	MEAN
MAX	325.170	325.110	325.060	---	---	326.640	326.700	326.490	325.710	325.230	325.150	325.220	MAX
MIN	325.110	325.070	324.990	---	---	326.420	326.520	325.720	325.210	325.010	325.010	325.150	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 326.700 ON JUL 09

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 45 20 N
LONG 087 59 40 W
DATA CONTRIBUTED BY -
ONTARIO HYDRO

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WANAPITEI LAKE AT BOWLANDS BAY - STATION NO. 02DA002

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	266.580	266.230	265.710	266.020	266.770	267.730	267.690	267.470	267.360	267.320	267.370	267.330	1
2	266.580	266.210	265.700	266.040	266.810	267.710	267.680	267.470	267.360	267.330	267.350	267.330	2
3	266.570	266.190	265.700	266.070	266.850	267.660	267.680	267.470	267.360	267.330	267.340	267.370	3
4	266.550	266.180	265.700	266.080	266.900	267.650	267.670	267.460	267.350	267.310	267.320	267.390	4
5	266.550	266.150	265.690	266.100	266.940	267.610	267.690	267.480	267.340	267.330	267.330	267.380	5
6	266.550	266.120	265.680	266.120	266.990	267.590	267.670	267.490	267.340	267.330	267.350	267.370	6
7	266.540	266.110	265.680	266.130	267.050	267.570	267.660	267.480	267.350	267.320	267.340	267.370	7
8	266.530	266.080	265.690	266.130	267.050	267.560	267.640	267.460	267.340	267.320	267.310	267.380	8
9	266.540	266.080	265.660	266.150	267.100	267.560	267.620	267.460	267.340	267.350	267.320	267.380	9
10	266.510	266.060	265.660	266.160	267.150	267.570	267.610	267.450	267.310	267.300	267.270	267.370	10
11	266.480	266.040	265.650	266.180	267.170	267.560	267.580	267.460	267.300	267.330	267.270	267.360	11
12	266.490	266.020	265.650	266.190	267.210	267.550	267.590	267.450	267.300	267.320	267.270	267.370	12
13	266.480	266.010	265.650	266.190	267.240	267.570	267.540	267.450	267.320	267.330	267.260	267.370	13
14	266.470	266.000	265.650	266.200	267.260	267.570	267.530	267.450	267.300	267.330	267.250	267.360	14
15	266.460	265.970	265.650	266.210	267.290	267.570	267.520	267.440	267.330	267.320	267.220	267.340	15
16	266.440	265.960	265.650	266.220	267.330	267.560	267.520	267.450	267.320	267.320	267.220	267.310	16
17	266.440	265.950	265.650	266.240	267.380	267.570	267.520	267.440	267.300	267.330	267.210	267.310	17
18	266.440	265.910	265.690	266.250	267.480	267.560	267.510	267.440	267.290	267.350	267.210	267.310	18
19	266.450	265.890	265.730	266.270	267.620	267.590	267.500	267.440	267.290	267.380	267.200	267.280	19
20	266.430	265.860	265.730	266.270	267.710	267.570	267.490	267.420	267.290	267.380	267.200	267.280	20
21	266.380	265.850	265.730	266.280	266.770	267.570	267.490	267.410	267.290	267.390	267.200	267.280	21
22	266.390	265.830	265.740	266.330	267.810	267.560	267.480	267.410	267.310	267.410	267.200	267.280	22
23	266.350	265.800	265.770	266.330	267.850	267.560	267.480	267.400	267.310	267.410	267.200	267.210	23
24	266.350	265.790	265.800	266.360	267.870	267.610	267.470	267.400	267.300	267.410	267.220	267.190	24
25	266.340	265.760	265.830	266.400	267.870	267.610	267.470	267.390	267.310	267.420	267.220	267.190	25
26	266.340	265.750	265.860	266.480	267.870	267.620	267.470	267.390	267.310	267.410	267.230	267.140	26
27	266.300	265.720	265.890	266.560	267.860	267.640	267.480	267.380	267.310	267.410	267.250	267.140	27
28	266.280	265.720	265.910	266.630	267.850	267.640	267.480	267.390	267.320	267.410	267.250	267.130	28
29	266.270		265.940	266.680	267.840	267.640	267.480	267.390	267.330	267.410	267.280	267.100	29
30	266.260		265.970	266.740	267.810	267.660	267.470	267.380	267.330	267.390	267.320	267.090	30
31	266.250		266.010		267.770		267.480	267.370		267.380		267.100	31
MEAN	266.438	265.973	265.743	266.267	267.369	267.600	267.554	267.434	267.319	267.358	267.265	267.284	MEAN
MAX	266.580	266.230	266.010	266.740	267.870	267.730	267.690	267.490	267.360	267.420	267.370	267.390	MAX
MIN	266.250	265.720	265.650	266.020	266.770	267.550	267.470	267.370	267.290	267.300	267.200	267.090	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MEAN, 266.973
MAXIMUM DAILY, 267.870 ON MAY 24
MINIMUM DAILY, 265.650 ON MAR 11

TYPE OF GAUGE - MANUAL
LOCATION - LAT 46 39 22 N
LONG 080 46 03 W
DATA CONTRIBUTED BY - ONTARIO HYDRO

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1933

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WANAPITEI RIVER NEAR WANUP - STATION NO. 02DB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	26.6	41.0	19.6	15.9	76.5	111	90.0	15.7	10.8	5.75	41.8	66.5	1
2	26.4	42.2	21.0	8.29	60.7	113	84.6	14.1	10.6	5.90	42.2	69.5	2
3	26.3	46.0	21.9	9.35	53.6	111	75.4	10.5	10.6	13.2	40.5	63.8	3
4	26.5	46.7	21.7	10.8	39.0	109	70.4	11.4	10.6	15.5	44.9	54.5	4
5	26.5	45.9	19.6	17.2	24.9	104	71.2	12.7	10.6	15.5	45.0	51.1	5
6	28.0	44.1	18.2	29.6	18.7	79.3	70.8	14.1	10.6	16.3	43.6	44.1	6
7	28.2	43.4	13.9	26.9	20.0	51.4	70.1	15.7	10.4	15.0	43.7	43.5	7
8	27.6	42.8	13.0	24.9	21.3	45.6	69.5	14.2	10.3	14.7	45.9	45.8	8
9	27.3	42.0	12.0	25.6	26.2	40.4	66.9	11.8	10.3	14.2	45.7	46.0	9
10	22.3	41.7	24.2	28.3	23.6	39.6	69.4	15.7	10.3	26.5	43.2	49.7	10
11	23.1	40.6	24.0	33.4	26.9	39.4	71.8	14.2	8.32	35.7	44.2	43.1	11
12	26.7	40.2	22.2	32.4	33.6	39.0	71.4	13.5	8.82	30.0	44.1	42.6	12
13	27.4	40.2	21.6	31.7	33.8	39.2	70.3	12.4	8.66	27.2	38.3	49.1	13
14	27.3	39.9	36.6	30.9	30.3	38.8	69.3	10.8	8.33	26.1	32.6	64.4	14
15	26.7	42.5	55.4	30.1	24.8	38.7	34.2	12.2	6.86	25.9	35.5	64.8	15
16	27.0	44.0	96.5	30.8	27.7	38.5	34.4	12.9	6.12	25.7	46.7	65.2	16
17	27.5	45.0	113	32.7	70.4	38.5	34.9	12.6	5.75	27.5	62.7	64.8	17
18	36.3	42.9	91.2	34.8	211	38.5	35.1	10.7	5.42	37.3	68.8	65.0	18
19	39.1	44.2	66.8	35.4	189	38.8	40.0	11.9	3.56	58.3	69.5	65.0	19
20	40.4	45.0	77.9	36.7	140	38.8	35.9	12.8	2.03	51.0	47.3	52.3	20
21	44.2	44.5	78.8	43.7	136	38.7	25.5	11.9	3.49	42.7	45.7	51.4	21
22	44.3	43.0	75.5	44.3	130	38.8	27.1	5.74	6.54	36.9	56.4	48.7	22
23	44.3	42.3	46.7	42.4	126	45.3	27.2	13.5	8.80	38.9	61.9	45.6	23
24	44.5	42.2	36.4	42.4	130	66.9	24.4	14.5	7.97	55.1	67.9	44.3	24
25	43.5	42.0	18.8	43.2	129	62.9	15.6	12.4	3.61	53.6	66.4	46.2	25
26	43.2	41.7	16.0	46.1	127	53.1	7.73	9.41	2.37	48.1	50.1	44.0	26
27	43.0	39.3	14.1	50.4	124	54.4	12.0	9.32	2.11	46.3	51.1	42.4	27
28	43.0	27.8	20.3	69.5	122	52.8	12.7	10.7	5.66	46.7	77.3	40.5	28
29	42.8		18.6	75.8	121	74.1	10.4	10.4	5.98	46.7	85.8	40.3	29
30	40.9		16.5	76.6	119	88.2	15.9	10.4	8.53	45.3	77.4	42.5	30
31	39.3		18.0		117		16.1	12.2		41.6		48.5	31
TOTAL	1 035.7	1 183.1	1 150.0	1 052.14	2 535.0	1 770.7	1 406.83	380.37	208.97	989.15	1 535.9	1 588.8	TOTAL
MEAN	33.4	42.3	37.1	35.1	81.8	59.0	45.4	12.3	6.97	31.9	51.2	51.3	MEAN
MAX	44.5	46.7	113	76.6	211	113	90.0	15.7	10.8	58.3	85.8	65.5	MAX
MIN	22.3	27.8	13.0	8.29	18.7	38.5	7.73	5.74	2.03	5.75	33.6	40.3	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MEAN, 40.6
MAXIMUM DAILY, 211 ON MAY 18
MINIMUM DAILY, 2.03 ON SEP 20
MAXIMUM INSTANTANEOUS, 236 AT 19:36 EST ON MAY 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 20 40 N
LONG 080 50 24 W
DRAINAGE AREA, 3 130 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	89 500	JUL	122 000
FEB	102 000	AUG	32 900
MAR	99 400	SEP	18 100
APR	90 900	OCT	85 500
MAY	219 000	NOV	133 000
JUN	153 000	DEC	137 000

TOTAL DISCHARGE, 1 280 000 dam³

WATABEAG RIVER AT WATABEAG LAKE DAM - STATION NO. 04MB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.60	0.500	6.20	0	0	0	2.40	4.10	0	0	6.20	3.50	1
2	5.30	0.500	6.00	0	0	0	2.40	1.50	0	0	7.70	3.50	2
3	7.70	0.500	5.80	0	0	1.70	2.40	0	0	0	9.00	3.40	3
4	7.50	0.500	5.60	0	0	1.60	5.50	0	0	0	8.70	3.40	4
5	7.30	0.700	5.40	0	0	1.50	7.50	0	0	0	8.50	3.30	5
6	7.00	0.700	5.20	0	0	1.50	7.20	0	0	0	8.30	3.30	6
7	6.80	0.700	5.00	0	0	1.50	6.90	0	0	0	8.10	3.20	7
8	6.50	0.700	4.80	0	0	1.50	6.60	0	0	0.100	7.90	3.20	8
9	6.20	0.800	4.60	0	0	1.50	6.40	0	0	0.100	7.70	3.10	9
10	6.00	0.800	4.40	0	0	1.60	6.10	0	0	0.100	7.50	3.10	10
11	5.80	0.800	4.20	0E	0	1.60	5.80	0	0	0.100	7.30	3.10	11
12	5.60	0.800	4.00	0	0	1.60	5.60	0	0	0.200	7.10	3.00	12
13	5.40	0.900	3.80	0	0	1.60	5.40	0	0	0.200	6.90	3.00	13
14	5.20	6.00	3.60	0	0	1.70	5.10	0	0	0.200	6.70	2.90	14
15	3.20	11.6	3.60	0	0	1.70	4.80	0	0	2.30	6.50	2.90	15
16	1.00	11.2	3.70	0	0	1.70	4.60	0	0	6.20	6.30	2.80	16
17	1.00	10.8	3.70	0E	0	1.70	4.40	0	0	6.20	6.10	2.80	17
18	1.00	10.4	3.80	0E	0	1.80	4.30	0	0	6.20	5.90	2.70	18
19	1.00	10.0	3.80	0E	0	1.80	4.20	0	0	6.20	4.30	2.70	19
20	1.00	9.60	3.80	0	0	1.80	4.10	0	0	6.20	3.10	2.60	20
21	1.00	9.30	3.90	0	0	1.80	4.50	0	0	6.20	3.10	2.60	21
22	1.00	8.90	3.90	0	0	1.80	4.70	0	0	6.20	3.10	2.50	22
23	1.00	8.50	1.80	0	0	1.80	4.90	0	0	6.20	3.20	2.50	23
24	1.00	8.00	0	0	0	1.90	4.80	0	0	6.20	3.50	2.50	24
25	1.00	7.60	0	0	0	1.90	4.80	0	0	6.20	3.30	2.50	25
26	1.00	7.30	0	0	0	2.00	4.70	0	0	6.20	3.30	2.50	26
27	1.00	6.90	0	0	0	2.00	4.60	0	0	6.20	3.40	2.50	27
28	1.00	6.40	0	0	0	2.10	4.50	0	0	6.20	3.40	2.50	28
29	1.00		0	0	0	2.20	4.40	0	0	6.20	3.50	2.40	29
30	1.00		0	0	1.10	2.30	4.30	0	0	6.20	3.50	2.40	30
31	0.500		0		1.90		4.20	0		6.20		2.40	31
TOTAL	103.600	141.400	100.60	0	3.00	49.20	152.10	5.60	0	102.500	172.80	88.80	TOTAL
MEAN	3.34	5.05	3.25	0	0.09	1.64	4.91	0.18	0	3.31	5.76	2.86	MEAN
MAX	7.70	11.6	6.20	0	1.90	2.30	7.50	4.10	0	6.20	9.00	3.50	MAX
MIN	0.500	0.500	0	0	0	0	2.40	0	0	0	3.10	2.40	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.52
MAXIMUM DAILY, 11.6 ON FEB 15
MINIMUM DAILY, 0 ON MAR 24

DATA CONTRIBUTED BY -
ONTARIO HYDRO

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 48 17 34 N
LONG 080 32 43 W
DRAINAGE AREA, 238 km²

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	8 950	JUL	13 100
FEB	12 200	AUG	484
MAR	8 690	SEP	0
APR	0	OCT	8 860
MAY	259	NOV	14 900
JUN	4 250	DEC	7 670

TOTAL DISCHARGE, 79 400 dam³

WAUBUNO CREEK NEAR DORCHESTER - STATION NO. 02GD020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.150B	1.03	0.800B	1.30	0.335	0.267	0.137	0.658	0.608	0.641	0.597	1.39	1
2	0.270B	2.03	0.930B	1.62	0.295	0.252	0.110	0.310	0.411	0.609	0.548	1.13	2
3	0.570B	1.38 B	1.70 B	1.98	0.276	0.319	0.085	0.187	0.275	0.509	0.524	1.13	3
4	1.46 B	1.18 B	0.950B	1.69	0.295	0.327	0.065	0.144	0.199	1.68	0.503	3.14	4
5	5.60 B	1.00 B	0.580B	1.31	0.440	0.270	0.060	0.134	0.173	2.65	2.61	2.45	5
6	3.64 B	0.921B	0.540B	1.08	0.379	0.233	0.047	0.114	0.210	1.46	19.3	1.92	6
7	2.21 B	0.895	0.500B	0.925	0.321	0.208	0.045	0.086	0.787	0.948	8.12	1.61	7
8	1.52 B	1.85	0.465B	0.753	0.281	0.238	0.045	0.067	0.701	0.790	4.24	1.48	8
9	1.20 B	9.21	1.74	0.649	0.255	0.258	7.01	0.056	0.426	2.82	2.99	1.46	9
10	1.05 B	7.85	2.77	0.954	0.270	0.205	2.89	0.047	0.351	6.50	2.79	2.26	10
11	0.930B	3.20	3.32	2.90	0.274	0.178	0.800	0.043	0.279	8.82	2.27	2.39	11
12	0.920B	1.92	5.98	1.81	0.240	0.149	0.410	0.047	0.215	5.25	1.78	1.91	12
13	0.745B	1.52	9.47	1.22	0.638	0.144	0.255	1.20	0.170	5.81	1.50	3.49	13
14	0.680B	1.80	6.87	1.11	0.844	0.140	0.324	1.16	0.421	3.33	1.31	2.43	14
15	0.650B	1.15 B	4.43	1.40	0.576	0.138	0.794	0.495	9.12	2.19	1.33	1.66	15
16	0.640B	1.02 B	3.46	1.36	1.18	0.121	0.548	0.278	4.18	1.54	1.25	1.63	16
17	2.75 B	0.870B	3.16	1.32	3.60	0.113	0.333	0.190	2.31	1.23	1.09	1.53	17
18	21.0	0.780B	2.10	1.09	4.52	0.105	0.240	0.155	1.35	2.92	0.928	2.64	18
19	12.2	0.730B	1.58	0.875	2.59	0.088	0.436	0.179	1.07	4.46	0.841	3.78	19
20	5.63	0.680B	1.39	0.865	2.89	0.081	1.27	2.10	1.03	2.76	0.767	2.43	20
21	2.62 B	0.650B	1.16	1.53	5.91	0.083	1.45	0.948	0.826	1.91	0.700	1.97	21
22	1.72	7.22	1.33	1.43	2.96	0.085	0.738	0.564	0.792	1.50	2.14	4.30	22
23	1.32	22.3	2.81	1.10	1.86	0.186	0.660	0.369	0.771	1.27	2.64	5.10	23
24	1.86	7.28	1.80	0.862	1.27	0.424	0.481	0.259	1.49	1.09	2.43	3.66B	24
25	3.34	2.20 B	1.17	0.720	0.948	0.274	0.290	0.193	1.41	0.922	1.79	2.21B	25
26	4.64	1.40 B	0.941	0.608	0.775	0.183	0.197	0.158	1.06	0.784	1.34	1.46B	26
27	5.57	1.05 B	0.721	0.521	0.637	0.171	0.149	0.136	0.778	0.684	1.60	1.21B	27
28	5.25	0.905B	0.632	0.470	0.512	0.142	0.119	3.73	0.608	0.667	1.62	1.09B	28
29	3.36		0.569	0.421	0.442	0.127	0.101	7.17	0.509	0.720	5.82	12.0 B	29
30	1.56		0.924	0.372	0.366	0.148	0.143	2.36	0.516	0.716	1.66	25.8	30
31	1.11		1.32		0.303		1.54	1.09		0.656		9.34	31
TOTAL	90.693	84.021	66.112	34.245	36.482	5.657	21.772	24.627	33.046	67.806	75.968	111.80	TOTAL
MEAN	2.93	3.00	2.13	1.14	1.18	0.189	0.702	0.794	1.10	2.19	2.53	3.61	MEAN
MAX	21.0	22.3	9.47	2.90	5.91	0.424	7.01	7.17	9.12	8.82	19.3	27.8	MAX
MIN	0.150	0.650	0.465	0.372	0.240	0.081	0.045	0.043	0.170	0.509	0.503	1.09	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.79
MAXIMUM DAILY, 27.8 ON DEC 30
MINIMUM DAILY, 0.043 ON AUG 11
MAXIMUM INSTANTANEOUS,
34.1 AT 06:54 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 59 40 N
LONG 081 07 00 W
DRAINAGE AREA, 108 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	7 840	JUL	1 880
FEB	7 260	AUG	2 130
MAR	5 710	SEP	2 860
APR	2 960	OCT	5 960
MAY	3 150	NOV	6 960
JUN	489	DEC	9 660

TOTAL DISCHARGE, 56 400 dam³

WAWA CREEK AT WAWA - STATION NO. 02BD006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.206B	0.137B	0.090B	0.181B	2.19 E	0.534	0.507	1.42	0.246	0.078	0.441	0.530	1
2	0.204B	0.135B	0.089B	0.182B	2.01	0.558	0.483	1.34	0.235	0.077	0.433	0.525	2
3	0.202B	0.133B	0.089B	0.189B	1.91	0.658	0.475	1.26	0.212	0.085	0.426	0.142	3
4	0.200B	0.131B	0.089B	0.199B	1.81	0.621	0.468	1.23	0.210	0.092	0.423	0.015	4
5	0.197B	0.128B	0.088B	0.222B	1.62	0.598	0.450	1.21	0.206	0.076	0.426	0.082	5
6	0.195B	0.127B	0.088B	0.250B	1.44	0.638	0.421	1.06	0.201	0.082	0.381	0.182	6
7	0.193B	0.124B	0.088B	0.275B	1.32	0.636	0.406	0.947	0.194	0.109	0.365	0.759	7
8	0.191E	0.123B	0.087B	0.300B	1.37	0.651	0.620	0.955	0.161	0.115	0.347	0.518	8
9	0.189E	0.121B	0.087B	0.345B	1.36	0.641	0.725	0.960	0.162	0.081	0.350	0.504	9
10	0.187B	0.118B	0.087B	0.400B	1.45	0.637	0.718	0.893	0.160	0.090	0.351	0.499	10
11	0.185B	0.117B	0.088B	0.450B	1.27	0.575	0.704	0.803	0.150	0.062	0.342	0.476	11
12	0.182B	0.115B	0.089B	0.535E	1.21	0.553	0.506	0.720	0.162	0.058	0.325	0.463	12
13	0.180B	0.113B	0.090B	0.630E	1.17	0.580	0.364	0.646	0.144	0.059	0.321	0.455	13
14	0.179B	0.112B	0.094B	0.830E	1.13	0.547	0.358	0.576	0.191	0.073	0.307	0.437	14
15	0.175B	0.110B	0.099B	1.04 E	1.09	0.529	0.346	0.545	0.167	0.069	0.297	0.409	15
16	0.173B	0.108B	0.106B	1.30 E	1.18	0.506	0.332	0.502	0.165	0.071	0.297	0.396	16
17	0.170B	0.107B	0.113B	1.65 E	1.46	0.541	0.331	0.485	0.150	0.156	0.286	0.390	17
18	0.168B	0.105B	0.121B	2.00 E	1.45	0.633	0.346	0.502	0.133	0.372	0.284	0.399	18
19	0.166B	0.104B	0.130B	2.25 E	1.43	0.583	0.337	0.428	0.137	0.380	0.283	0.384	19
20	0.163B	0.103B	0.141B	2.45 E	1.39	0.553	0.325	0.386	0.129	0.395	0.281	0.372	20
21	0.161B	0.102B	0.153B	2.44 E	1.28	0.562	0.325	0.363	0.132	0.455	0.337	0.367	21
22	0.159B	0.101B	0.163B	2.42 E	1.17	0.552	0.335	0.346	0.147	0.516	0.394	0.365	22
23	0.157B	0.099B	0.172B	2.40 E	1.07	0.565	0.313	0.332	0.138	0.542	0.414	0.360	23
24	0.156B	0.097B	0.176B	2.38 E	0.996	0.487	0.302	0.323	0.115	0.548	0.423	0.349	24
25	0.154B	0.096B	0.178B	2.35 E	0.927	0.378	0.300	0.322	0.117	0.541	0.440	0.357	25
26	0.151B	0.095B	0.180B	2.32 E	0.871	0.357	0.291	0.324	0.111	0.514	0.441	0.353	26
27	0.148B	0.093B	0.183B	2.30 E	0.805	0.404	0.280	0.312	0.126	0.514	0.542	0.349	27
28	0.146B	0.092B	0.188B	2.28 E	0.795	0.423	0.277	0.300	0.131	0.514	0.554	0.333	28
29	0.144B		0.190B	2.25 E	0.697	0.443	0.531	0.291	0.100	0.482	0.557	0.328	29
30	0.142B		0.186B	2.22 E	0.623	0.492	1.47	0.278	0.084	0.467	0.540	0.334	30
31	0.139B		0.182B		0.575		1.50	0.258		0.452		0.327	31
TOTAL	5.362	3.146	3.904	39.038	39.219	16.387	15.136	20.317	4.716	8.125	11.608	11.756	TOTAL
MEAN	0.173	0.112	0.126	1.30	1.27	0.546	0.488	0.655	0.157	0.262	0.387	0.379	MEAN
MAX	0.206	0.137	0.190	2.45	2.19	0.658	1.50	1.42	0.246	0.548	0.557	0.759	MAX
MIN	0.139	0.092	0.087	0.181	0.575	0.357	0.277	0.258	0.084	0.058	0.281	0.012	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.490
MAXIMUM DAILY, 2.45E ON APR 20
MINIMUM DAILY, 0.012 ON DEC 04

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 59 21 N
LONG 084 46 07 W
DRAINAGE AREA, 34.4 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	463	JUL	1 310
FEB	272	AUG	1 760
MAR	337	SEP	407
APR	3 370	OCT	702
MAY	3 390	NOV	1 000
JUN	1 420	DEC	1 020

TOTAL DISCHARGE, 15 500 dam³

WEBBER DRAIN AT HWY #59 (PITTOCK CONTROL) - STATION NO. 02GD024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.039	0.051	0.014	0.030	0.011	0.008	0.005	0.004	0.003	0.003	0.006	0.024	1
2	0.017	0.030	0.035	0.036	0.010	0.008	0.005	0.004	0.002	0.003	0.006	0.017	2
3	0.011	0.015	0.024	0.039	0.010	0.009	0.005	0.004	0.002	0.002	0.005	0.024	3
4	0.062	0.010B	0.015	0.036	0.010	0.008	0.005	0.004	0.002	0.016	0.005	0.051	4
5	0.041	0.007B	0.011	0.024	0.010	0.007	0.005	0.004	0.002	0.013	0.110	0.033	5
6	0.016	0.006B	0.009	0.017	0.009	0.008	0.004	0.003	0.003	0.008	0.224	0.028	6
7	0.006	0.007	0.007	0.015	0.009	0.007	0.004	0.003	0.003	0.005	0.102	0.022	7
8	0.003	0.110	0.013	0.014	0.008	0.007	0.018	0.003	0.002	0.005	0.051	0.020	8
9	0.002	0.246	0.077	0.013	0.008	0.007	0.102	0.003	0.002	0.057	0.038	0.022	9
10	0.002	0.116	0.168	0.019	0.008	0.006	0.015	0.003	0.002	0.063	0.035	0.036	10
11	0.001B	0.046	0.293	0.045	0.007	0.006	0.009	0.003	0.002	0.066	0.030	0.035	11
12	0.001B	0.026	0.277	0.029	0.007	0.006	0.006	0.003	0.002	0.046	0.020	0.036	12
13	0.001	0.030	0.253	0.021	0.011	0.006	0.005	0.003	0.002	0.054	0.018	0.065	13
14	0.001	0.022	0.206	0.022	0.012	0.006	0.005	0.003	0.003	0.028	0.018	0.034	14
15	0.001	0.018	0.154	0.029	0.011	0.006	0.006	0.003	0.007	0.016	0.020	0.030	15
16	0.001	0.015	0.126	0.031	0.020	0.006	0.005	0.003	0.004	0.012	0.019	0.020	16
17	0.214	0.010	0.098	0.028	0.093	0.006	0.005	0.003	0.003	0.015	0.015	0.019	17
18	0.283	0.010	0.059	0.022	0.092	0.006	0.009	0.003	0.003	0.091	0.014	0.044	18
19	0.069	0.009	0.041	0.018	0.047	0.005	0.009	0.004	0.003	0.052	0.013	0.045	19
20	0.031	0.006	0.034	0.018	0.047	0.005	0.010	0.003	0.003	0.031	0.012	0.033	20
21	0.018	0.006	0.035	0.028	0.064	0.005	0.009	0.003	0.003	0.021	0.011	0.033	21
22	0.013	0.256	0.056	0.024	0.038	0.005	0.007	0.003	0.003	0.016	0.033	0.090	22
23	0.009	0.341	0.105	0.020	0.023	0.006	0.008	0.003	0.003	0.015	0.039	0.107	23
24	0.046	0.185	0.046	0.016	0.017	0.005	0.006	0.003	0.003	0.013	0.034	0.068	24
25	0.074	0.075	0.031	0.016	0.016	0.005	0.005	0.003	0.003	0.011	0.027	0.041	25
26	0.043	0.037	0.023	0.014	0.015	0.005	0.004	0.003	0.002	0.009	0.020	0.024	26
27	0.048	0.024	0.017	0.013	0.013	0.005	0.004	0.003	0.002	0.009	0.036	0.019	27
28	0.058	0.015	0.015	0.013	0.011	0.005	0.004	0.003	0.002	0.009	0.065	0.018	28
29	0.025		0.015	0.012	0.011	0.005	0.004	0.003	0.002	0.006	0.046	0.325	29
30	0.015		0.018	0.011	0.009	0.005	0.005	0.003	0.003	0.006	0.030	0.423	30
31	0.010		0.026		0.008		0.004	0.003		0.006		0.263	31
TOTAL	1.161	1.729	2.301	0.673	0.665	0.184	0.297	0.099	0.081	0.707	1.102	2.049	TOTAL
MEAN	0.038	0.062	0.074	0.022	0.022	0.006	0.010	0.003	0.003	0.023	0.037	0.066	MEAN
MAX	0.283	0.341	0.293	0.045	0.093	0.009	0.102	0.004	0.007	0.091	0.224	0.423	MAX
MIN	0.001	0.006	0.007	0.011	0.007	0.005	0.004	0.003	0.002	0.002	0.005	0.017	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.030
MAXIMUM DAILY, 0.423 ON DEC 30
MINIMUM DAILY, 0.001B ON JAN 11
MAXIMUM INSTANTANEOUS,
0.682 AT 18:17 EST ON MAR 11

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 15 23 N
LONG 080 49 24 W
DRAINAGE AREA, 3.72 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	100	JUL	25.7
FEB	149	AUG	8.55
MAR	199	SEP	7.00
APR	58.1	OCT	61.1
MAY	57.5	NOV	95.2
JUN	15.9	DEC	177

TOTAL DISCHARGE, 954 dam³

WELLAND CANAL DIVERSION FROM LAKE ERIE - STATION NO. 02HA019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	222	190	194	235	220	138	244	227	235	224	231	226	1
2	215	185	181	225	232	156	257	234	233	224	226	232	2
3	206	189	182	234	234	212	239	241	226	229	230	208	3
4	195	187	183	223	226	226	244	237	226	224	217	203	4
5	176	190	182	230	226	226	221	208	232	222	214	216	5
6	204	189	179	229	223	235	230	223	223	227	211	231	6
7	211	188	181	233	221	238	232	220	227	222	209	235	7
8	186	185	181	228	219	230	237	167	223	231	221	226	8
9	186	183	184	237	218	227	233	118	223	221	231	229	9
10	185	185	183	240	229	227	227	129	236	224	228	231	10
11	186	186	176	222	222	235	235	141	230	218	222	227	11
12	185	176	174	230	228	231	228	220	228	226	223	237	12
13	187	183	176	237	229	229	223	223	231	219	227	231	13
14	189	185	181	236	229	233	229	226	231	225	226	230	14
15	189	186	180	239	238	235	223	231	207	225	227	231	15
16	187	193	181	231	228	227	238	234	216	226	236	231	16
17	194	181	181	230	207	228	235	223	223	228	221	226	17
18	174	183	191	230	224	228	230	223	234	224	212	225	18
19	185	181	173	231	232	229	232	226	223	225	172	225	19
20	186	182	192	233	223	240	229	230	223	226	146	222	20
21	188	186	191	228	229	237	225	228	230	222	127	227	21
22	191	171	192	236	189	232	223	226	214	221	226	218	22
23	198	172	191	241	168	230	228	226	220	227	231	218	23
24	189	179	191	224	170	231	225	223	227	228	229	214	24
25	190	182	203	239	191	236	227	223	233	227	225	217	25
26	187	179	212	233	231	243	232	229	234	229	230	213	26
27	177	185	235	231	231	243	231	226	226	228	191	215	27
28	189	191	223	233	230	248	234	231	230	216	174	217	28
29	189		226	225	170	247	232	229	221	228	190	206	29
30	190		219	229	176	254	230	225	221	224	220	194	30
31	190		228		172		235	232		226		212	31
TOTAL	5 916	5 152	5 946	6 950	6 665	6 841	7 188	6 672	6 786	6 963	6 373	6 873	TOTAL
MEAN	191	184	192	232	215	228	232	215	226	225	212	222	MEAN
MAX	222	193	235	241	238	254	257	241	236	231	236	237	MAX
MIN	174	171	173	222	168	138	221	118	207	216	127	194	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 215
MAXIMUM DAILY, 257 ON JUL 02
MINIMUM DAILY, 118 ON AUG 09

TYPE OF GAUGE - MANUAL
LOCATION - LAT N
LONG W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	511 000	JUL	621 000
FEB	445 000	AUG	576 000
MAR	514 000	SEP	586 000
APR	600 000	OCT	602 000
MAY	576 000	NOV	551 000
JUN	591 000	DEC	594 000

TOTAL DISCHARGE, 6 770 000 dam³

DATA CONTRIBUTED BY -
ST. LAWRENCE SEAWAY AUTHORITY

REGULATED

REMARKS - DISCHARGES DO NOT INCLUDE FLOW FROM WELLAND CANAL TO WELLAND RIVER

WELLAND RIVER AT WELLAND CANAL - STATION NO. 02HA025

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.151	2.078	2.209	2.184	2.235	2.172	2.251	2.280	---	2.303	2.164	2.360	1
2	2.150	2.173	2.192	2.157	2.250	2.168	2.262	2.279	---	2.305	2.229	2.258	2
3	2.090	2.106	2.119	2.236	2.241	2.186	2.242	2.291	---	2.294	2.254	2.193	3
4	2.146	2.164	2.126	2.419	2.236	2.366	2.251	2.280	---	2.272	2.211	2.293	4
5	2.276	2.165	2.089	2.559	2.300	2.238	2.245	2.288	---	2.378	2.175	2.923	5
6	2.284	2.202	1.995	2.443	2.306	2.241	2.234	2.274	---	2.288	2.473	2.842A	6
7	2.274	2.184	1.942	2.323	2.301	2.225	2.239	2.244	---	2.194	2.345	---	7
8	2.220	2.265	1.957	2.263	2.237	2.208	2.227	2.286	---	2.212	2.296	---	8
9	2.179	2.641	2.057	2.195	2.231	2.216	2.284	2.282	---	2.234	2.261	---	9
10	2.236	2.996	2.121	2.249	2.264	2.243	2.271	2.271	---	2.246	2.276	---	10
11	2.244	2.886	2.361	2.734	2.417	2.259	2.256	2.260	---	2.357	2.317	---	11
12	2.281	2.472	2.887	2.828	2.266	2.247	2.222	2.279	---	2.331	2.413	---	12
13	2.225	2.202	3.203	2.605	2.293	2.227	2.240	2.325	---	2.358	2.313	---	13
14	2.208	2.185	3.197	2.343	2.382	2.276	2.250	2.280	---	2.367	2.247	---	14
15	2.159	2.068	2.943	2.258	2.371	2.293	2.261	2.263	---	2.404	2.212	---	15
16	2.152	2.065	2.591	2.223	2.404	2.242	2.260	2.270	---	2.330	2.204	---	16
17	2.277	2.388	2.335	2.208	2.702	2.282	2.260	2.280	---	2.282	2.229	---	17
18	2.859	2.336	2.293	2.240	2.816	2.334A	2.256A	2.282	2.286A	2.352	2.178	---	18
19	3.191	2.298	2.206	2.264	2.633	---	2.233	2.281	2.278	2.518	2.212	---	19
20	3.100	2.183	2.182	2.262	2.418	---	2.242	2.251	2.292	2.337	2.244	2.589A	20
21	2.786	2.123	2.162	2.292	2.322	2.168A	2.234	2.293	2.283	2.296	2.240	2.511	21
22	2.425	2.299	2.126	2.330	2.309	2.246	2.241	2.270	2.331	2.301	2.198	2.459	22
23	2.231	3.062	2.169	2.299	2.296	2.296	2.230	2.276A	2.342	2.270	2.181	2.842	23
24	2.146	3.268	2.297	2.254	2.249	2.287	2.255	2.270A	2.278	2.262	2.296	3.266	24
25	2.223	3.039	2.129	2.235	2.232	2.282	2.261	2.285A	2.323	2.300	2.287	3.196	25
26	2.523	2.795	2.187	2.264A	2.228	2.248	2.251	---	2.264	2.269	2.207	2.786	26
27	2.365	2.542	2.073	---	2.247	2.249	2.248	---	2.245	2.290	2.241	2.479	27
28	2.220	2.311	2.099	---	2.209	2.208	2.271	---	2.253	2.367	2.320	2.352	28
29	2.127		2.086	2.230	2.177	2.224	2.269	---	2.267	2.244	2.426	2.613	29
30	2.017		2.103	2.212	2.200	2.239	2.269	---	2.326	2.221	2.386	3.572	30
31	2.056		2.092		2.224		2.269	---		2.166		4.091	31
MEAN	2.317	2.411	2.275	---	2.322	---	2.251	---	---	2.302	2.268	---	MEAN
MAX	3.191	3.268	3.203	---	2.816	---	2.284	---	---	2.518	2.473	---	MAX
MIN	2.017	2.065	1.942	---	2.177	---	2.222	---	---	2.166	2.164	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

TYPE OF GAUGE - RECORDING
LOCATION - LAT 42 59 43 N
LONG 079 15 09 W

A - MANUAL GAUGE
E - ESTIMATED

MAXIMUM INSTANTANEOUS,
4.133 AT 15:12 EST ON DEC 31

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

REMARKS - STATION OPERATED BY WSC EFFECTIVE 1989

WELLAND RIVER BELOW CAISTOR CORNERS - STATION NO. 02HA007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.374B	1.39B	2.69 B	0.811	0.449	0.189	0.055	0.047	0.539	0.983	0.129	0.498
2	0.356B	4.22B	1.94 B	1.32	0.432	0.152	0.053	0.047	0.505	0.588	0.095	0.314
3	0.341B	6.41B	1.44 B	3.89	0.492	0.136	0.053	0.047	0.488	0.468	0.073	0.479
4	1.92 B	5.30B	1.09 B	5.43	0.632	0.128	0.050	0.044	0.481	0.921	0.059	9.71 B
5	6.66 B	4.56B	0.782B	5.47	0.808	0.101	0.047	0.051	0.509	1.15	0.144	12.9 B
6	5.94 B	3.27B	0.522B	3.77	1.14	0.112	0.046	0.053	0.516	0.768	3.71	7.85
7	5.41 B	2.92B	0.406B	2.15	1.08	0.122	0.041	0.055	0.540	0.863	7.39	4.65
8	5.02 B	6.19B	0.261B	1.26	0.872	0.110	0.044	0.058	0.508	1.18	5.15	3.28
9	4.80 B	26.0 B	0.439B	0.917	0.715	0.108	0.084	0.055	0.487	1.54	2.95	2.94
10	5.14 B	29.9	1.57	2.24	0.658	0.099	0.071	0.053	0.471	2.19	1.25	3.11
11	5.70 B	8.79	11.0	18.1	0.636	0.084	0.071	0.051	0.473	1.98	0.661	3.14
12	4.96 B	4.05B	28.8	9.70	0.570	0.078	0.066	0.049	0.553	1.63	0.437	1.54
13	4.18 B	2.97	37.7	3.66	1.63	0.074	0.056	0.087	0.590	3.79	0.355	0.763B
14	3.72 B	3.82B	30.1	1.94	6.98	0.069	0.049	0.087	0.599	4.83	0.279	0.525B
15	3.44 B	3.55B	15.1	1.91	4.49	0.069	0.069	0.083	0.600	3.75	0.230	0.409
16	3.21 B	2.85B	7.26	2.33	4.77	0.062	0.068	0.079	0.451	1.55	0.238	0.814
17	8.14 B	3.31B	5.31	1.50	20.1	0.060	0.068	0.070	0.334	1.50	0.251	1.93
18	48.7 B	5.74B	4.23	1.12	10.7	0.065	0.064	0.059	0.145	1.94	0.190	4.62
19	43.1 B	2.26B	3.26 B	0.940	5.63	0.057	0.061	0.158	0.262	1.26	0.159	11.7
20	21.3 B	1.73B	2.54 B	0.701	3.76	0.056	0.061	0.171	0.750	0.588	0.145	8.90
21	7.07 B	1.44B	2.39 B	1.83	5.11	0.057	0.059	0.153	0.681	0.620	0.131	4.75
22	3.82 B	6.23B	3.96	3.74	6.04	0.055	0.061	0.144	0.646	0.710	0.131	6.49
23	2.23 B	46.4	3.66 B	2.06	3.19	0.061	0.067	0.105	0.640	0.714	0.192	29.6
24	2.48 B	26.2 B	3.06 B	1.08	1.39	0.054	0.065	0.083	0.620	0.671	0.239	34.8 B
25	6.60 B	18.2 B	2.53 B	0.738	0.836	0.059	0.060	0.069	0.600	0.933	0.268	13.0 B
26	8.89 B	10.6 B	1.97 B	0.561	0.602	0.059	0.055	0.063	0.610	1.18	0.289	7.12 B
27	7.14 B	6.48B	1.43 B	0.545	0.436	0.063	0.055	0.056	0.834	1.15	0.703	4.67 B
28	4.66 B	4.47B	0.828B	0.562	0.331	0.063	0.054	0.185	0.940	0.635	1.22	1.51 B
29	4.37 B		0.420	0.484	0.267	0.058	0.051	0.295	0.959	0.251	1.65	14.1 B
30	2.99 B		0.339	0.456	0.255	0.058	0.051	0.603	0.997	0.184	0.900	73.7
31	1.78 B		0.509		0.250		0.052	0.605		0.160		51.0
TOTAL	234.441	246.33	177.556	81.215	85.271	2.521	1.807	3.765	17.228	40.577	29.618	320.812
MEAN	7.56	8.80	5.73	2.71	2.75	0.084	0.058	0.122	0.574	1.31	0.987	10.3
MAX	48.7	46.4	37.7	18.1	20.1	0.189	0.084	0.605	0.997	4.83	7.39	73.7
MIN	0.341	1.39	0.261	0.456	0.250	0.055	0.041	0.044	0.145	0.160	0.059	0.314

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.40
MAXIMUM DAILY, 73.7 ON DEC 30
MINIMUM DAILY, 0.041 ON JUL 07
MAXIMUM INSTANTANEOUS,
83.3 AT 17:47 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 01 30 N
LONG 079 37 00 W
DRAINAGE AREA, 230 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	20 300	JUL	156
FEB	21 300	AUG	325
MAR	15 300	SEP	1 490
APR	7 020	OCT	3 510
MAY	7 370	NOV	2 560
JUN	218	DEC	27 700

TOTAL DISCHARGE, 107 000 dam³

WELLAND RIVER NEAR BINBROOK - STATION NO. 02HA021

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.710	1.934	1.920	1.641	1.707	1.317	1.272	1.336	1.729	1.651	1.206	1.222
2	1.718	2.077	1.848	1.823	1.790	1.292	1.273	1.347	1.736	1.870	1.142	1.206
3	1.720	1.985	1.671	1.873	1.798	1.298	1.276	1.347	1.738	1.910	1.269	1.216
4	1.775	1.973	1.618	1.863	1.809	1.361	1.277	1.346	1.741	1.927	1.219	1.947
5	2.029	1.951	1.570	1.754	1.829	1.351	1.269	1.355	1.751	1.818	1.234	1.700
6	2.101A	1.941	1.547	1.643	1.821	1.297	1.271	1.351	1.743	1.976	1.879	1.403
7	---	1.967	1.530	1.628	1.807	1.282	1.279	1.349	1.744	1.981	1.528	1.371
8	---	2.135	1.527	1.614	1.766	1.276	1.287	1.344	1.734	1.978	1.360	1.416
9	---	2.364	1.622	1.617	1.774	1.287	1.316	1.339	1.732	1.987	1.290	1.460
10	---	2.089	1.733	1.765	1.810	1.294	1.326	1.333	1.745	1.720	1.271	1.576
11	---	1.962	2.178	2.101	1.748	1.294	1.321	1.336	1.775	1.581	1.280	1.371
12	---	1.932	2.520	1.719	1.729	1.277	1.325	1.345	1.774	1.585	1.267	1.248
13	---	1.928	2.667	1.602	1.920	1.265	1.326	1.358	1.772	1.856	1.250	1.248
14	---	2.012	2.489	1.601	1.896	1.251	1.328	1.358	1.742	1.672	1.233	1.227
15	---	1.936	2.266	1.730	1.735	1.248	1.347	1.345	1.510	1.692	1.219	1.229
16	---	1.933	2.134	1.647	1.882	1.237	1.351	1.342	1.438	1.971	1.217	1.419
17	2.226A	1.938	2.041	1.673	1.998	1.240	1.337	1.334	1.494	1.955	1.225	1.479
18	2.584	1.931	1.954	1.644	1.810	1.247	1.323	1.337	1.821	1.671	1.220	1.727
19	1.972A	1.925	1.881	1.555	1.653	1.258	1.314	1.390	1.806	1.652	1.192	1.892
20	1.837	1.920	1.884	1.593	1.604	1.257	1.310	1.424	1.787	1.791	1.168	1.538
21	1.754	1.905	2.109	1.810	1.937	1.265	1.312	1.384	1.787	1.793	1.173	1.463
22	1.715	2.148	2.106	1.690	1.615	1.271	1.317	1.369	1.788	1.798	1.186	1.974
23	1.708	2.529	2.107	1.648	1.581	1.280	1.321	1.360	1.790	1.819	1.219	2.357
24	2.000	2.417	2.101	1.637	1.573	1.286	1.322	1.346	1.795	1.953	1.255	1.778
25	2.055	2.265	2.098	1.621	1.528	1.274	1.323	1.336	1.835	1.955	1.246	1.513
26	2.057	2.207	2.060	1.722	1.472	1.265	1.321	1.335	1.910	1.895	1.214	1.404
27	1.965	2.045	1.519	1.711	1.428	1.257	1.321	1.352	1.912	1.549	1.347	1.350
28	1.978	1.978	1.303	1.698	1.387	1.258	1.327	1.367	1.911	1.464	1.504	1.344
29	1.936		1.226	1.707	1.364	1.261	1.325	1.369	1.913	1.448	1.346	2.207
30	1.924		1.223	1.705	1.373	1.269	1.331	1.740	1.874	1.340	1.261	2.561
31	1.917		1.602		1.344		1.333	1.725		1.280		2.376
MEAN	---	2.047	1.873	1.701	1.693	1.277	1.312	1.402	1.761	1.753	1.281	1.588
MAX	---	2.529	2.667	2.101	1.998	1.361	1.351	1.769	1.913	1.987	1.679	2.561
MIN	---	1.905	1.223	1.555	1.344	1.237	1.269	1.333	1.438	1.280	1.142	1.206

WATER LEVELS IN METRES

MINIMUM DAILY, 1.142 ON NOV 02
MAXIMUM INSTANTANEOUS,
3.030 AT 18:01 EST ON DEC 29

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 05 33 N
LONG 079 47 56 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA,
67.1 km²

WEST BRANCH LITTLE CATARAQUI CREEK AT KINGSTON - STATION NO. 02HM009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.105B	0.117	0.071	0.139	0.086	---	---	---	0.025	0.057	0.089	---	1
2	0.062	0.138	0.108	0.148	0.066	---	---	---	0.023	0.057	0.078	---	2
3	0.060	0.093	0.087	0.364	0.063	---	---	---	0.025	0.042	0.071	---	3
4	0.227	0.075	0.068B	0.559	0.062	---	---	---	0.024	0.127	0.066	---	4
5	0.176	0.062	0.045B	0.515	0.231	---	---	---	0.024	0.092	0.100	---	5
6	0.101	0.068	0.038B	0.315	0.117	---	---	---	0.022	0.049	0.413	---	6
7	0.073	0.070	0.041B	0.233	0.129	---	---	---	0.021	0.040	0.203	---	7
8	0.074	0.095	0.053	0.179	0.103	---	---	---	0.022	0.059	0.171	---	8
9	0.066	0.461	0.049	0.152	0.096	---	---	---	0.026	0.153	0.141	---	9
10	0.112	0.263	0.075	0.485	0.133	---	---	---	0.023	0.084	0.306	---	10
11	0.098	0.155	0.369	0.617	0.092	---	---	---	0.021	0.267	0.214	---	11
12	0.081	0.116	0.825	0.347	0.072	---	---	---	0.019	0.188	0.163	---	12
13	0.060	0.171	0.531	0.244	0.256	---	---	---	0.018	0.635	0.135	---	13
14	0.050	0.277	0.494	0.236	0.168	---	---	---	0.030	0.308	0.112	---	14
15	0.044	0.126	0.436	0.246	0.129	---	---	---	0.055	0.223	0.098	---	15
16	0.042	0.102	0.379	0.187	0.175	---	---	---	0.021	0.156	0.090	---	16
17	0.593	0.083	0.769	0.189	0.582	---	---	---	0.019	0.127	0.084	---	17
18	0.900	0.071	0.490	0.142	0.359	---	---	---	0.019	0.670	0.073	---	18
19	0.302	0.063	0.362	0.134	0.247	---	---	---	0.032	0.458	0.066	---	19
20	0.194	0.053	0.447	0.174	0.418	---	---	---	0.025	0.280	0.061	---	20
21	0.134	0.057	0.337	0.265	0.419	---	---	---	0.020	0.204	0.059	---	21
22	0.104	0.533	0.259	0.180	0.263	---	---	---	0.045	0.211	0.107	---	22
23	0.089	0.843	0.225	0.145	0.199	---	---	---	0.048	0.155	0.091	---	23
24	0.285	0.319	0.162	0.122	0.156	---	---	---	0.023	0.130	0.088	---	24
25	0.297	0.176	0.136	0.380	0.128	---	---	---	0.022	0.152	0.082	---	25
26	0.318	0.120	0.126	0.209	0.106	---	---	---	0.021	0.115	0.070	---	26
27	0.155	0.097	0.110	0.156	0.093	---	---	---	0.022	0.097	0.150	---	27
28	0.133	0.077	0.096	0.123	0.083	---	---	---	0.020	0.207	0.113	---	28
29	0.116		0.086	0.107	0.089	---	---	---	0.029	0.137	0.102	---	29
30	0.102		0.116	0.096	0.063	---	---	---	0.276	0.114	0.094	---	30
31	0.098		0.114		0.060		---	---		0.105		---	31
TOTAL	5.251	4.881	7.504	7.388	5.243	---	---	---	1.020	5.699	3.690	---	TOTAL
MEAN	0.169	0.174	0.242	0.246	0.169	---	---	---	0.034	0.184	0.123	---	MEAN
MAX	0.900	0.843	0.825	0.617	0.582	---	---	---	0.276	0.670	0.413	---	MAX
MIN	0.042	0.053	0.038	0.096	0.060	---	---	---	0.018	0.040	0.059	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM INSTANTANEOUS,
2.32 AT 15:21 EST ON OCT 18

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 14 24 N
LONG 076 34 44 W
DRAINAGE AREA, 4.98 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	454	JUL	---
FEB	422	AUG	---
MAR	648	SEP	88.1
APR	638	OCT	492
MAY	453	NOV	319
JUN	---	DEC	---

WEST BRANCH SCOTCH RIVER NEAR ST. ISIDORE DE PRESCOTT - STATION NO. 02LB018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	1.12	0.770	---	---	---	---	---	---	---	1
2	---	---	---	1.85	0.584	---	---	---	---	---	---	---	2
3	---	---	---	3.16	0.489	---	---	---	---	---	---	---	3
4	---	---	---	21.3	0.384	---	---	---	---	---	---	---	4
5	---	---	---	10.9	0.452	---	---	---	---	---	---	---	5
6	---	---	---	4.36	0.777	---	---	---	---	---	---	---	6
7	---	---	---	2.29	0.610	---	---	---	---	---	---	---	7
8	---	---	---	1.45	0.481	---	---	---	---	---	---	---	8
9	---	---	0.169B	1.21	0.463	---	---	---	---	---	---	---	9
10	---	---	---	2.38	0.495	---	---	---	---	---	---	---	10
11	---	---	---	3.88	1.31	---	---	---	---	---	---	---	11
12	---	---	---	3.22	1.10	---	---	---	---	---	---	---	12
13	---	---	---	3.47	0.778	---	---	---	---	---	---	---	13
14	---	---	---	5.66	0.661	0.123A	---	---	---	---	---	---	14
15	---	---	10.2 B	9.17	0.642	---	---	---	---	---	---	---	15
16	---	---	11.4 B	5.06	0.677	---	---	---	---	---	---	---	16
17	---	---	17.0 B	3.81	1.10	---	---	---	---	---	---	---	17
18	---	---	16.0 B	2.61	4.22	---	---	---	---	---	---	---	18
19	---	---	8.38 B	1.69	2.69	---	---	---	---	---	---	---	19
20	---	---	3.29 B	1.57	1.78	---	---	---	---	---	---	---	20
21	---	---	2.46 B	4.90	2.70	---	---	---	---	---	---	---	21
22	---	---	2.34	3.47	2.18	---	---	---	---	---	---	---	22
23	---	---	3.89	2.30	1.39	---	---	---	---	---	---	---	23
24	---	---	2.04 B	1.76	1.09	---	---	---	---	---	---	---	24
25	---	---	1.20 B	1.55	0.866	---	---	---	---	---	---	---	25
26	---	---	0.790B	1.98	0.717	---	---	---	---	---	---	---	26
27	---	---	0.639B	1.83	0.597	---	---	---	---	---	---	---	27
28	---	---	0.547B	1.34	0.489	---	---	---	---	---	---	---	28
29	---	---	0.470B	1.06	0.387	---	---	---	---	---	---	---	29
30	---		0.422B	0.910	0.367	---	---	---	---	---	---	---	30
31	---		0.573		0.337		---	---		---		---	31
TOTAL	---	---	---	111.260	31.579	---	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	3.71	1.02	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	21.3	4.22	---	---	---	---	---	---	---	MAX
MIN	---	---	---	0.910	0.337	---	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM INSTANTANEOUS,
29.8E AT 14:56 EST ON APR 04

REMARKS - SEASONAL OPERATION (MAR-JUN)

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 22 33 N
LONG 074 56 51 W
DRAINAGE AREA, 99.5 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	---
APR	9 610	OCT	---
MAY	2 730	NOV	---
JUN	---	DEC	---

WEST DUFFINS CREEK ABOVE GREEN RIVER - STATION NO. 02HC038

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.238B	0.460B	0.420B	0.659	0.391	0.299	0.827	0.216	0.261	0.542	0.427	0.505E	1
2	0.230B	0.400B	0.390B	0.948	0.365	0.306	0.328	0.222	0.266	0.398	0.439	0.500E	2
3	0.222B	0.430B	0.440B	1.40	0.314	0.435	0.280	0.227	0.255	0.361	0.443	0.790E	3
4	0.312B	0.390B	0.560B	2.16	0.338	0.500	0.259	0.231	0.260	0.512	0.435	1.75E	4
5	0.350B	0.440B	0.430B	1.88	0.517	0.322	0.244	0.255	0.379	0.624	0.579	0.960E	5
6	0.480B	0.425B	0.360B	1.01	0.444	0.318	0.234	0.256	0.367	0.451	1.32	0.800E	6
7	0.300B	0.420B	0.342B	0.678	0.374	0.319	0.255	0.251	0.322	0.355	0.692	0.700E	7
8	0.220B	1.70 B	0.330B	0.613	0.378	0.318	0.246	0.264	0.289	0.363	0.589	0.680E	8
9	0.205B	4.00 B	0.400B	0.608	0.368	0.458	0.395	0.255	0.283	0.726	0.546	0.700E	9
10	0.460B	1.50 B	0.900B	1.87	0.467	0.332	0.257	0.240	0.288	0.867	0.544	0.785E	10
11	0.480B	0.900B	5.20 B	2.36	0.537	0.301	0.260	0.276	0.279	0.610	0.525	0.620E	11
12	0.280B	0.680B	15.0 B	0.981	0.374	0.259	0.260	0.654	0.271	0.701	0.514	0.537	12
13	0.200B	0.580B	5.00 B	0.711	0.458	0.403	0.287	1.10	0.267	1.36	0.511	0.810	13
14	0.170B	0.500B	2.50 B	0.771	0.458	0.315	0.233	0.735	0.290	0.675	0.485	0.608B	14
15	0.162B	0.440B	1.70 B	1.05	0.390	0.304	0.450	0.590	0.517	0.514	0.528	0.990B	15
16	0.170B	0.700B	1.35 B	0.806	0.504	0.279	0.429	1.22	0.361	0.454	0.564	0.546	16
17	1.20 B	0.450B	1.10 B	1.20	0.879	0.270	0.321	0.434	0.307	0.841	0.531	0.514	17
18	4.60 B	0.390B	0.900B	0.754	0.696	0.261	0.246	0.366	0.291	0.935	0.472	0.714	18
19	2.00 B	0.350B	0.800B	0.579	0.491	0.558	0.256	0.388	0.301	0.781	0.451E	0.892	19
20	1.00 B	0.325B	0.696	0.757	1.03	0.251	0.301	0.341	0.319	0.594	0.440E	0.485B	20
21	0.700B	0.310B	0.727	1.16	1.14	0.269	0.310	0.316	0.307	0.525	0.455E	0.632B	21
22	0.580B	1.02 B	0.957	0.794	0.610	0.275	0.284	0.303	0.310	0.508	0.600E	1.58	22
23	0.510B	5.40 B	1.50	0.667	0.463	0.318	0.475	0.298	0.309	0.489	0.760E	3.98	23
24	0.700B	1.00 B	0.792B	0.623	0.438	0.410	0.353	0.285	0.303	0.456	0.620E	1.60 B	24
25	2.00 B	0.680B	0.689B	0.555	0.403	0.306	0.301	0.276	0.294	0.442	0.615E	1.00 B	25
26	3.60 B	0.520B	0.575	0.526	0.378	0.238	0.273	0.278	0.342	0.431	0.580E	0.660B	26
27	1.22 B	0.480B	0.522B	0.489	0.363	0.258	0.254	0.274	0.347	0.416	0.595E	0.600B	27
28	1.30 B	0.460B	0.540B	0.463	0.361	0.244	0.282	0.288	0.318	0.493	0.615E	0.760B	28
29	1.05 B		0.425	0.431	0.340	0.387	0.255	0.306	0.332	0.478	0.555E	1.50 B	29
30	0.800B		0.575	0.420	0.332	0.526	0.245	0.253	0.613	0.445	0.510E	4.20 B	30
31	0.600B		0.657		0.310		0.275	0.250		0.428		1.45 B	31
TOTAL	26.239	25.350	46.777	27.923	14.906	9.739	9.676	11.643	9.648	17.775	16.940	32.258	TOTAL
MEAN	0.846	0.905	1.51	0.931	0.481	0.325	0.312	0.376	0.322	0.573	0.565	1.04	MEAN
MAX	4.60	5.40	15.0	2.36	1.14	0.526	0.827	1.22	0.613	1.36	1.32	4.20	MAX
MIN	0.162	0.310	0.330	0.420	0.310	0.238	0.233	0.216	0.255	0.355	0.427	0.485	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.682
MAXIMUM DAILY, 15.0B ON MAR 12
MINIMUM DAILY, 0.162B ON JAN 15

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 54 54 N
LONG 079 10 47 W
DRAINAGE AREA, 52 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 270	JUL	836
FEB	2 190	AUG	1 010
MAR	4 040	SEP	834
APR	2 410	OCT	1 540
MAY	1 290	NOV	1 460
JUN	841	DEC	2 790

TOTAL DISCHARGE, 21 500 dam³

WEST HUMBER RIVER AT HIGHWAY NO. 7 - STATION NO. 02HC031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.070B	0.580B	0.400B	0.723	0.197	0.082	0.073	0.015	0.031	0.140	0.116	0.347	1
2	0.050B	2.20	0.500B	0.970E	0.161	0.067	0.048	0.014	0.026	0.153	0.119	0.289	2
3	0.040B	1.15	0.900B	2.63	0.144	0.139	0.038	0.014	0.020	0.090	0.109	0.345	3
4	0.460B	0.900B	0.700B	1.84	0.146	0.095	0.027	0.013	0.019	0.175	0.102	1.95	4
5	1.00 B	0.600B	0.400B	1.43	0.473	0.071	0.017	0.745E	0.020	0.111	0.526	2.85	5
6	1.30 B	0.480B	0.200B	0.900	0.481	0.070	0.012	0.015	0.023	0.094	4.14	1.77	6
7	1.00 B	0.500B	0.160B	0.661	0.328	0.055	0.010	0.012	0.026	0.078	1.62	1.29	7
8	0.700B	8.20 B	0.170B	0.529	0.248	0.105	0.017	0.013	0.025	0.084	0.894	1.04	8
9	0.900B	17.0 B	0.250B	0.473	0.210	0.083	0.031E	0.010	0.029	0.588	0.634	1.06	9
10	1.30 B	4.10	1.00 B	0.701	0.271	0.074	0.014	0.002E	0.027	0.838	0.535	2.66	10
11	1.50 B	1.10 B	24.0 B	2.80	0.228	0.057	0.013	0.001	0.026	0.646	0.473	1.95	11
12	1.00 B	0.965B	65.0	1.30	0.515	0.048	0.012	0.330	0.026	0.966	0.417	1.11	12
13	0.720B	0.700B	25.4	0.839	0.342	0.175	0.009	0.303	0.020	1.68	0.363	2.74	13
14	0.540B	0.800B	11.3	0.742	0.346	0.088	0.008	0.123	0.082	0.951	0.315	1.83	14
15	0.360B	0.557	5.39	0.862	0.287	0.068	0.240	0.065	0.051	0.520	0.284	1.10	15
16	0.300B	0.518	3.62	0.818	0.468	0.053	0.036	0.049	0.036	0.307	0.282	0.730	16
17	9.00 B	0.561	2.90	0.756	1.59	0.033	0.070	0.036	0.034	0.896	0.266	0.642	17
18	28.9	0.537	1.85	0.687	1.92 E	0.039	0.027	0.051	0.032	1.41	0.245	1.21	18
19	3.58	0.490B	1.52	0.619	0.979	0.031	0.020	0.111	0.034	1.61	0.224	2.13	19
20	2.70 B	0.410B	0.915	0.643	3.42 E	0.021	0.795E	0.063	0.033	0.770	0.213	1.32	20
21	1.70 B	0.350B	0.987	0.920	5.20	0.018	0.026	0.050	0.029	0.453	0.215	1.04	21
22	0.900B	4.48	1.22	0.848	1.58	0.051	0.063	0.039	0.031	0.319	0.355	3.32	22
23	0.550B	31.4	2.13	0.668	0.973	0.096	0.074	0.040	0.034	0.258	0.501	15.9	23
24	7.77	7.00 B	0.950B	0.544	0.702	0.066	0.028	0.034	0.029	0.214	0.572	3.67 B	24
25	9.43	2.00 B	0.500B	0.488	0.537	0.063	0.028	0.030	0.028	0.178	0.525	1.90 B	25
26	10.5	1.00 B	0.420B	0.414	0.423	0.051	0.022	0.028	0.041	0.159	0.438	1.30 B	26
27	1.85	0.700B	0.370B	0.359	0.340	0.046	0.017	0.034	0.027	0.142	0.416	0.882B	27
28	2.36	0.500B	0.350B	0.286	0.266	0.027	0.013	0.177	0.025	0.133	0.458	0.724	28
29	1.45 B		0.340B	0.246	0.171	0.158	0.010	0.057	0.041	0.126	0.517	20.4	29
30	0.900B		0.446	0.271	0.144	0.099	0.645E	0.060	0.360	0.117	0.431	29.8	30
31	0.600B		0.625		0.108		0.022	0.041		0.116		3.19	31
TOTAL	93.430	89.768	154.613	25.967	22.898	2.129	2.465	2.575	1.263	14.322	16.305	110.489	TOTAL
MEAN	3.01	3.21	4.99	0.866	0.739	0.071	0.080	0.083	0.042	0.462	0.544	3.56	MEAN
MAX	28.9	31.4	65.0	2.80	5.20	0.175	0.795	0.745	0.360	1.68	4.14	29.8	MAX
MIN	0.040	0.350	0.160	0.246	0.108	0.018	0.008	0.001	0.019	0.078	0.102	0.289	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.47
MAXIMUM DAILY, 65.0 ON MAR 12
MINIMUM DAILY, 0.001 ON AUG 11
MAXIMUM INSTANTANEOUS,
81.9 AT 04:51 EST ON MAR 12

REMARKS - GAUGE RELOCATED 60 M DOWNSTREAM JUL 1990

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 45 32 N
LONG 079 40 43 W
DRAINAGE AREA, 148 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	8 070	JUL	213
FEB	7 760	AUG	225
MAR	13 400	SEP	109
APR	2 240	OCT	1 240
MAY	1 980	NOV	1 410
JUN	184	DEC	9 550

TOTAL DISCHARGE, 46 400 dam³

WEST MONTREAL RIVER AT MISTINIKON LAKE DAM - STATION NO. 02JD012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	12.6	9.00	8.20	27.7	84.8	52.7	46.0	14.9	8.10	10.1	39.0	11.5	1
2	13.7	20.4	13.3	27.7	76.7	51.6	49.0	14.4	7.80	10.1	38.4	33.0	2
3	24.0	27.6	19.7	27.7	68.7	50.6	51.7	14.0	7.80	10.7	38.4	34.0	3
4	19.6	25.4	17.9	27.7	72.3	49.0	51.0	13.6	7.80	11.1	39.0	34.0	4
5	18.2	23.3	16.2	27.7	72.3	46.1	49.0	13.2	7.50	11.5	39.6	34.0	5
6	16.8	21.5	14.7	27.5	71.9	44.1	47.0	12.8	7.30	12.0	37.8	34.0	6
7	15.4	19.7	13.7	27.2	71.9	35.4	46.0	12.5	7.10	12.5	36.0	33.5	7
8	14.0	18.1	12.9	27.0	51.6	16.0	45.0	12.5	6.80	12.9	34.0	33.0	8
9	13.2	16.8	11.8	27.0	32.2	17.5	43.8	12.1	6.40	13.2	33.5	32.5	9
10	12.4	16.1	16.7	27.0	34.5	18.3	43.1	11.8	6.40	14.0	33.0	32.0	10
11	11.7	15.3	15.7	26.8	38.9	19.5	41.5	11.4	6.40	14.4	32.0	31.0	11
12	11.3	14.5	14.7	26.5	40.6	20.3	40.0	11.1	6.10	14.9	31.5	30.1	12
13	10.9	14.0	14.5	26.8	42.5	21.1	38.3	10.7	6.10	15.3	31.0	29.4	13
14	10.5	13.6	14.3	27.0	44.3	22.4	36.5	10.7	6.10	15.7	30.1	28.8	14
15	10.1	13.3	14.1	27.2	44.3	22.4	34.8	10.4	6.10	16.2	29.7	27.4	15
16	9.80	12.7	13.9	27.5	44.8	22.4	33.3	10.1	5.90	17.2	29.2	26.5	16
17	9.60	12.1	15.3	27.7	44.8	22.4	31.8	10.1	5.90	18.2	28.3	25.6	17
18	11.5	11.4	16.9	27.5	48.9	22.4	29.9	10.1	5.90	23.2	27.4	25.2	18
19	17.2	10.7	16.6	27.2	51.0	22.4	28.6	10.1	5.60	35.8	26.5	24.7	19
20	15.9	10.4	20.3	28.0	53.0	22.4	19.5	9.70	5.60	51.0	26.1	24.3	20
21	14.7	10.1	22.2	29.0	62.4	22.0	11.9	9.70	6.10	51.3	25.6	23.8	21
22	13.2	9.90	24.2	31.0	91.1	22.8	12.9	9.40	7.00	51.7	24.7	22.9	22
23	12.5	9.60	24.7	33.5	105	23.3	14.0	9.10	7.60	60.1	25.2	22.5	23
24	11.9	9.40	25.4	37.8	102	21.7	14.9	9.10	8.20	61.1	25.6	22.0	24
25	11.3	9.10	25.8	45.0	96.8	24.2	15.7	8.80	8.90	60.0	26.1	21.5	25
26	11.0	8.70	26.5	53.5	91.3	28.4	16.2	8.80	9.30	56.2	26.1	21.0	26
27	10.7	8.50	27.0	62.2	85.9	32.6	15.7	8.50	9.70	53.0	27.0	20.3	27
28	10.4	8.30	27.5	69.1	81.5	36.8	15.7	8.50	9.70	51.0	27.9	19.9	28
29	10.0		27.7	76.6	67.1	42.6	15.3	8.50	10.1	48.5	29.7	19.4	29
30	9.70		27.7	81.3	50.0	43.0	15.3	8.10	10.1	44.5	31.3	19.0	30
31	9.40		27.7		52.7		14.9	8.10		40.5		18.5	31
TOTAL	403.20	399.50	589.80	1 065.4	1 975.8	898.1	968.3	332.80	219.40	917.9	929.7	835.6	TOTAL
MEAN	13.0	14.3	19.0	35.5	63.7	29.9	31.2	10.7	7.31	29.6	31.0	27.0	MEAN
MAX	24.0	27.6	27.7	81.3	105	52.7	51.7	14.9	10.1	61.1	39.6	34.0	MAX
MIN	9.40	8.30	8.20	26.5	32.2	16.0	11.9	8.10	5.60	10.1	24.7	18.5	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 26.1
MAXIMUM DAILY, 105 ON MAY 23
MINIMUM DAILY, 5.60 ON SEP 19

DATA CONTRIBUTED BY -
ONTARIO HYDRO

TYPE OF GAUGE - MANUAL
LOCATION - LAT 48 02 25 N
LONG 080 42 14 W
DRAINAGE AREA, 1 780 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	34 800	JUL	83 700
FEB	34 500	AUG	28 800
MAR	51 000	SEP	19 000
APR	92 100	OCT	79 300
MAY	171 000	NOV	80 300
JUN	77 600	DEC	72 200

TOTAL DISCHARGE, 824 000 dam³

WHITE RIVER BELOW WHITE LAKE - STATION NO. 02BC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	23.4	17.8	14.0	25.7	202	89.1	40.2	31.0	20.0	29.5	40.4	62.4	1
2	22.9	17.6	14.1	26.2	219	74.1	38.6	30.6	18.0	28.5	42.1	62.9E	2
3	22.8	17.4	14.1	26.1	228	76.3	40.5	30.4	17.8	26.2	43.9	62.5E	3
4	22.3	17.2	14.0	26.2	232	74.6	41.2	31.1	17.8	26.1	45.6	61.3E	4
5	22.2	16.9	13.9	26.6	231	73.2	40.4	31.5	17.7	25.7	47.6	59.8E	5
6	21.9	16.8	13.7	26.9	224	73.0	39.3	30.3	17.6	26.2	48.1	58.8E	6
7	21.5	16.6	13.4	27.1	219	72.6	37.9	29.7	17.7	25.6	48.8	57.9E	7
8	21.4	16.4	13.3	27.2	212	71.7	38.0	28.8	17.3	25.3	48.3	57.2E	8
9	21.3	16.3	13.1	27.3	204	71.8	38.4	29.1	17.3	24.9	49.3	56.1E	9
10	21.0	16.3	12.8	27.6	198	71.3	39.3	29.5	17.3	24.8	50.7	55.2E	10
11	20.9	16.3	12.9	27.7	185	69.5	39.6	28.6	17.0	23.5	51.5	54.3E	11
12	20.6	16.2	13.2	27.5	179	68.1	38.6	27.9	17.2	23.9	51.5	53.5E	12
13	20.4	16.1	13.3	27.5	172	62.9	37.3	27.0	16.9	23.6	51.1	52.6E	13
14	20.2	16.0	13.5	27.9	168	42.8	37.0	26.7	17.2	23.4	49.6	51.6E	14
15	20.0	16.0	13.8	28.4	163	28.4	36.3	26.5	17.1	22.8	50.6	50.8E	15
16	19.7	16.0	14.3	28.7	159	29.5	34.7	26.0	17.0	22.7	50.2	49.8E	16
17	19.6	15.7	15.1	29.0	154	31.3	34.8	26.3	16.9	24.1	49.4	48.8E	17
18	19.3	15.6	15.8	28.9	151	34.7	34.7	26.4	16.7	27.2	47.9	48.5E	18
19	19.2	15.5	16.5	29.0	148	34.5	38.6	25.4	16.8	24.7	48.9	47.2E	19
20	19.1	15.3	17.6	29.9	145	34.8	41.1	24.8	37.4	24.2	48.3	46.2E	20
21	19.0	15.0	19.0	30.9	142	35.7	40.3	24.2	49.7	25.0	48.7	45.2E	21
22	18.8	15.1	19.9	32.9	139	36.0	38.9	23.8	48.4	25.9	48.2	44.3E	22
23	18.6	15.1	20.9	35.0	135	39.9	37.6	23.2	44.7	26.7	47.4	43.7E	23
24	18.4	14.8	21.8	36.2	132	37.3	36.2	22.8	39.9	29.5	46.5	42.5E	24
25	18.2	14.7	22.5	53.1	129	37.1	35.4	22.8	39.1	30.5	57.7	41.8E	25
26	18.0	14.5	23.3	68.1	126	39.6	34.8	22.8	36.3	30.9	59.5	40.8E	26
27	17.8	14.5	23.8	90.7	121	38.1	33.4	22.6	35.1	34.0	61.7	40.2E	27
28	17.9	14.4	24.2	118	119	37.6	32.4	22.4	33.6	36.1	62.5	39.4E	28
29	17.8		24.6	148	114	39.1	32.8	22.0	32.7	36.6	62.5	38.8E	29
30	17.7		24.7	179	109	40.0	33.9	21.5	30.9	38.4	62.7	38.0E	30
31	17.6		24.9		105		31.6	21.1		39.6		37.5E	31
TOTAL	619.5	446.1	532.0	1 350.3	5 164	1 566.6	1 153.8	816.8	759.1	855.5	1 534.4	1 549.6	TOTAL
MEAN	20.0	15.9	17.2	45.0	167	52.2	37.2	26.3	25.3	27.6	51.1	50.0	MEAN
MAX	23.4	17.8	24.9	179	232	89.1	41.2	31.5	49.7	39.6	62.7	62.9	MAX
MIN	17.6	14.4	12.8	25.7	105	28.4	31.6	21.1	16.7	22.7	40.4	37.5	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 44.8
MAXIMUM DAILY, 232 ON MAY 04
MINIMUM DAILY, 12.8 ON MAR 10
MAXIMUM INSTANTANEOUS,
232 AT 19:02 EST ON MAY 04

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 39 19 N
LONG 085 44 32 W
DRAINAGE AREA, 4 170 km²

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	53 500	JUL	99 700
FEB	38 500	AUG	70 600
MAR	46 000	SEP	65 600
APR	117 000	OCT	73 900
MAY	446 000	NOV	133 000
JUN	135 000	DEC	134 000

TOTAL DISCHARGE, 1 410 000 dam³

WHITEFISH RIVER AT NOLALU - STATION NO. 02AB017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.187B	0.125B	0.088B	0.626B	12.3	1.03	7.51	0.710	0.353	0.229	1.20	1.10 B	1
2	0.185B	0.123B	0.088B	0.660B	8.94	1.20	5.48	0.594	0.258	0.203	1.15	0.830B	2
3	0.183B	0.121B	0.088B	0.692B	6.12	1.59	4.14	0.566	0.208	0.376	1.14	0.755B	3
4	0.181B	0.119B	0.088B	0.734B	5.14	1.71	3.23	0.521	0.160	0.688	1.11	0.710B	4
5	0.179B	0.117B	0.088B	0.770B	4.31	1.64	2.48	0.461	0.147	0.627	1.01	0.690B	5
6	0.177B	0.115B	0.088B	0.825B	3.66	1.55	2.06	0.397	0.120	0.538	0.925	0.650B	6
7	0.175B	0.113B	0.088B	0.870B	3.15	1.46	2.38	0.311	0.094	0.491	0.870B	0.630B	7
8	0.173B	0.111B	0.088B	0.930B	3.33	1.28	9.17	0.347	0.087	0.455	0.820B	0.610B	8
9	0.171B	0.109B	0.088B	0.995B	3.99	1.33	8.28	0.309	0.049	0.376	0.775B	0.595B	9
10	0.169B	0.107B	0.088B	1.06 B	3.14	1.28	5.55	0.293	0.050	0.345	0.740B	0.585B	10
11	0.167B	0.105B	0.134B	1.16 B	2.66	1.15	3.86	0.334	0.045	0.326	0.710B	0.575B	11
12	0.165B	0.103B	0.163B	1.26 B	2.36	1.04	2.95	0.381	0.047	0.359	0.695B	0.565B	12
13	0.163B	0.102B	0.200B	1.37 B	2.13	4.32	2.34	0.375	0.058	0.358	0.675B	0.550B	13
14	0.161B	0.101B	0.218B	1.52 B	2.02	3.51	1.91	0.332	0.235	0.367	0.654	0.540B	14
15	0.159B	0.100B	0.236B	1.68 B	2.82	2.54	1.60	0.285	0.409	0.381	0.663	0.530B	15
16	0.157B	0.099B	0.254B	1.93 B	3.10	2.05	1.42	0.238	0.578	0.393	0.640	0.520B	16
17	0.155B	0.098B	0.272B	2.16 B	3.83	9.67	1.34	0.247	0.557	0.514	0.650B	0.510B	17
18	0.153B	0.097B	0.294B	2.52 B	3.80	9.91	1.65	0.288	0.432	0.933	0.645B	0.500B	18
19	0.151B	0.096B	0.312B	2.98 B	3.17	6.04	1.62	0.192	0.399	0.909	0.635	0.490B	19
20	0.149B	0.095B	0.332B	3.70 B	2.61	7.13	1.36	0.134	0.372	0.905	0.671	0.480B	20
21	0.147B	0.094B	0.353B	5.10	2.30	7.95	1.21	0.117	0.446	1.73	0.688	0.470B	21
22	0.145B	0.093B	0.376B	6.07	2.12	5.59	1.63	0.082	0.578	2.00	0.819	0.460B	22
23	0.143B	0.092B	0.399B	6.47	2.04	4.14	3.67	0.063	0.571	1.94	0.973	0.450B	23
24	0.141B	0.091B	0.421B	6.43	1.90	3.16	3.35	0.043	0.505	2.01	1.37	0.442B	24
25	0.139B	0.090B	0.444B	8.43	1.67	2.56	1.78	0.399	0.436	1.89	1.83	0.434B	25
26	0.137B	0.089B	0.468B	10.5	1.55	2.64	1.40	1.06	0.384	1.65	2.67	0.425B	26
27	0.135B	0.088B	0.494B	9.38	1.46	2.49	1.22	0.951	0.350	1.81	2.81	0.417B	27
28	0.133B	0.088B	0.516B	18.1	1.36	2.58	1.11	0.742	0.303	1.81	2.78	0.410B	28
29	0.131B		0.542B	16.1	1.25	3.32	1.06	0.580	0.256	1.65	2.49	0.403B	29
30	0.129B		0.568B	15.0	1.15	13.5	0.966	0.479	0.245	1.45	1.90	0.395B	30
31	0.127B		0.600B		1.04		0.835	0.402		1.29		0.386B	31
TOTAL	4.867	2.881	8.476	130.022	101.53	113.89	88.561	12.223	8.723	29.003	34.708	17.107	TOTAL
MEAN	0.157	0.103	0.273	4.33	3.28	3.80	2.86	0.394	0.291	0.936	1.16	0.552	MEAN
MAX	0.187	0.125	0.600	18.1	12.3	13.5	9.17	1.06	0.578	2.01	2.81	1.10	MAX
MIN	0.127	0.088	0.088	0.626	1.04	1.03	0.835	0.043	0.045	0.203	0.635	0.386	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.51
MAXIMUM DAILY, 18.1 ON APR 28
MINIMUM DAILY, 0.043 ON AUG 24
MAXIMUM INSTANTANEOUS,
23.1 AT 12:22 EST ON JUN 17

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 17 30 N
LONG 089 48 33 W
DRAINAGE AREA, 210 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	421	JUL	7 650
FEB	249	AUG	1 060
MAR	732	SEP	754
APR	11 200	OCT	2 510
MAY	8 770	NOV	3 000
JUN	9 840	DEC	1 480

TOTAL DISCHARGE, 47 700 dam³

WHITEMANS CREEK NEAR MOUNT VERNON - STATION NO. 02GB008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.16	4.84	5.45B	5.19	2.62	2.53	1.74	1.75	1.38	1.17	2.45	6.01	1
2	1.17	4.82B	5.48B	5.45	2.42	2.35	1.59	1.62	1.23	1.22	2.41	5.29	2
3	1.21	4.19B	5.18B	6.08	2.33	2.06	1.48	1.44	1.10	1.34	2.36	4.87	3
4	1.46	3.67B	4.01B	6.36	2.36	1.42	1.37	1.32	1.11	1.64	2.29	6.59	4
5	2.01	4.07B	3.36B	6.07	2.64	3.23	1.30	1.34	1.08	2.41	2.67	8.37	5
6	2.22B	4.27	2.88B	5.46	2.79	2.91	1.23	1.33	1.05	2.82	6.61	9.05	6
7	2.34B	3.86	2.60B	4.90	2.67	2.61	1.16	1.26	1.12	2.46	11.7	7.74	7
8	2.65B	4.39	2.56B	4.40	2.45	2.48	1.19	1.18	1.16	2.24	13.9	6.65	8
9	2.54	8.62	3.69B	4.04	2.37	2.59	6.61	1.12	1.08	2.31	12.0	6.10	9
10	2.64	15.8 B	7.77	4.11	2.39	2.35	15.7	1.05	1.07	3.42	8.90	6.43	10
11	2.78	14.2 B	14.6	5.72	2.32	2.14	10.7	1.05	1.04	4.99	7.18	6.92	11
12	2.39B	12.6 B	55.7	6.54	2.26	2.06	6.02	1.07	1.01	5.94	6.28	6.69	12
13	1.79B	9.68	35.7	5.99	3.04	1.89	3.89	1.27	1.01	7.14	5.56	6.37	13
14	2.10B	7.47	14.1	5.39	4.27	1.82	3.09	1.49	1.01	8.02	5.00	6.20	14
15	2.23	6.31	27.9	5.33	4.11	1.82	3.24	1.52	1.46	7.86	4.68	6.04	15
16	2.16	5.42	21.6	5.19	4.19	1.68	2.98	1.45	1.90	6.49	4.48	5.80	16
17	4.33	4.67B	17.1	5.21	6.32	1.57	2.93	1.30	2.02	5.07	4.31	5.56	17
18	12.3	3.91B	14.2	5.26	8.00	1.58	2.32	1.21	1.80	4.40	4.07	5.75	18
19	14.7	4.17B	11.7	4.89	9.12	1.49	2.08	1.42	1.61	4.72	3.83	7.11	19
20	14.2	2.77B	9.60	4.60	9.32	1.42	2.42	1.96	1.49	5.63	3.63	8.09	20
21	11.6 B	2.54B	8.43	5.15	11.2	1.35	2.61	2.45	1.43	5.98	3.47	7.91	21
22	8.03B	5.20B	7.78	5.24	13.0	1.39	2.63	2.31	1.38	5.36	3.52	7.91	22
23	6.09B	33.7	7.70	4.85	10.3	1.79	2.62	2.00	1.35	4.46	4.33	10.2	23
24	6.06	25.9	7.73	4.38	7.71	2.81	2.44	1.80	1.35	3.92	5.04	13.2 B	24
25	6.82	22.8 A	7.61	3.99	5.93	2.95	2.49	1.63	1.26	3.49	5.17	10.2 B	25
26	8.04	16.5	6.65	3.77	4.75	2.39	2.32	1.45	1.24	3.23	4.95	8.09B	26
27	8.28	12.5	5.56	3.57	4.10	2.14	1.94	1.32	1.17	3.01	4.95	6.32B	27
28	8.35	7.52B	4.95	3.31	3.69	2.01	1.77	1.42	1.10	2.87	5.61	6.92B	28
29	7.70		4.61	3.29	3.29	1.90	1.58	1.45	1.07	2.72	6.22	9.91	29
30	6.90B		4.60	3.06	3.05	1.86	1.49	1.56	1.11	2.63	6.42	43.7	30
31	5.75B		5.01	2.82	2.76		1.71	1.58		2.52		40.2	31
TOTAL	162.02	246.39	325.11	146.32	147.69	65.49	96.34	46.12	38.15	121.48	163.99	296.29	TOTAL
MEAN	5.23	8.80	10.5	4.88	4.76	2.18	3.11	1.49	1.27	3.92	5.47	9.56	MEAN
MAX	14.7	25.9	35.7	6.54	13.0	3.42	15.7	2.45	2.02	8.02	13.9	43.7	MAX
MIN	1.16	2.54	2.56	2.82	2.26	1.35	1.16	1.05	1.01	1.17	2.29	4.87	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.08
MAXIMUM DAILY, 43.7 ON DEC 30
MINIMUM DAILY, 1.01 ON SEP 12
MAXIMUM INSTANTANEOUS,
60.6 AT 16:25 EST ON DEC 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 07 33 N
LONG 080 23 05 W
DRAINAGE AREA, 383 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	14 000	JUL	8 320
FEB	21 300	AUG	3 980
MAR	28 100	SEP	3 300
APR	12 600	OCT	10 500
MAY	12 800	NOV	14 200
JUN	5 660	DEC	25 600

TOTAL DISCHARGE, 160 000 dam³

WHITESAND RIVER ABOVE SCHREIBER AT MINOVA MINE - STATION NO. 02BA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.007B	0.006B	0.006B	0.080B	0.892	0.057	0.104	0.033	0.024	0.089	0.231	0.097B	1
2	0.007B	0.006B	0.006B	0.076B	0.594	0.056	0.080	0.027	0.017	0.104	0.367	0.088B	2
3	0.007B	0.006B	0.006B	0.072B	0.421	0.142	0.086	0.029	0.009	1.43	0.401	0.080B	3
4	0.007B	0.006B	0.006B	0.068B	0.382	0.096	0.078	0.025	0.007	2.10	0.302	0.075B	4
5	0.007B	0.006B	0.006B	0.065B	0.316	0.102	0.059	0.018	0.006	0.798	0.213	0.070B	5
6	0.007B	0.006B	0.006B	0.062B	0.278	0.221	0.044	0.016	0.005	0.486	0.161	0.067B	6
7	0.007B	0.006B	0.006B	0.059B	0.328	0.243	0.047	0.017	0.004	0.340	0.130	0.064B	7
8	0.007B	0.006B	0.006B	0.057B	0.417	0.217	0.141	0.024	0.004	0.263	0.110	0.062B	8
9	0.006B	0.006B	0.006B	0.055B	0.487	0.350	0.179	0.034	0.005	0.208	0.127	0.060B	9
10	0.006B	0.006B	0.006B	0.053B	0.364	0.295	0.134	0.033	0.005	0.178	0.118	0.058B	10
11	0.006B	0.006B	0.007B	0.052B	0.255	0.205	0.095	0.030	0.008	0.194	0.101	0.056B	11
12	0.006B	0.006B	0.011B	0.052B	0.221	0.168	0.072	0.025	0.026	0.339	0.091	0.054B	12
13	0.006B	0.006B	0.030B	0.054B	0.189	0.160	0.054	0.028	0.022	0.443	0.081	0.053B	13
14	0.006B	0.006B	0.060B	0.063B	0.198	0.170	0.042	0.022	0.120	0.540	0.074	0.051B	14
15	0.006B	0.006B	0.400B	0.074B	0.237	0.133	0.032	0.011	0.145	0.659	0.087	0.050B	15
16	0.006B	0.006B	1.00 B	0.082B	0.346	0.098	0.056	0.010	0.171	0.431	0.102	0.049B	16
17	0.006B	0.006B	0.900B	0.088B	0.604	0.142	0.064	0.013	0.126	0.347	0.096	0.048B	17
18	0.006B	0.006B	0.600B	0.092B	0.469	0.227	0.221	0.020	0.098	0.516	0.089	0.047B	18
19	0.006B	0.006B	0.420B	0.110B	0.320	0.174	0.191	0.018	0.126	0.327	0.087	0.046B	19
20	0.006B	0.006B	0.300B	0.258	0.223	0.145	0.141	0.017	0.103	0.318	0.079	0.045B	20
21	0.006B	0.006B	0.260B	0.428	0.162	0.479	0.198	0.017	0.366	0.970	0.605	0.044B	21
22	0.006B	0.006B	0.225B	0.659	0.135	0.453	0.259	0.014	0.685	0.781	1.09	0.044B	22
23	0.006B	0.006B	0.175B	1.10	0.114	0.302	0.165	0.013	0.451	0.563	0.629	0.043B	23
24	0.006B	0.006B	0.150B	1.86	0.102	0.186	0.103	0.010	0.296	0.471	0.377	0.042B	24
25	0.006B	0.006B	0.130B	2.77	0.121	0.134	0.080	0.052	0.217	0.381	0.268	0.042B	25
26	0.006B	0.006B	0.115B	3.26	0.119	0.234	0.055	0.052	0.158	0.311	0.202	0.041B	26
27	0.006B	0.006B	0.105B	2.39	0.118	0.214	0.035	0.054	0.120	0.357	0.167B	0.041B	27
28	0.006B	0.006B	0.098B	1.93	0.091	0.151	0.026	0.073	0.089	0.362	0.137B	0.040B	28
29	0.006B		0.092B	1.62	0.062	0.128	0.038	0.049	0.077	0.292	0.122B	0.040B	29
30	0.006B		0.088B	1.17	0.054	0.121	0.044	0.044	0.068	0.247	0.109B	0.039B	30
31	0.006B		0.084B		0.046		0.052	0.027		0.218		0.039B	31
TOTAL	0.194	0.168	5.310	18.759	8.665	5.803	2.975	0.855	3.558	15.063	6.753	1.675	TOTAL
MEAN	0.006	0.006	0.171	0.625	0.280	0.193	0.096	0.028	0.119	0.486	0.225	0.054	MEAN
MAX	0.007	0.006	1.00	3.26	0.892	0.479	0.259	0.073	0.685	2.10	1.09	0.097	MAX
MIN	0.006	0.006	0.006	0.052	0.046	0.056	0.026	0.010	0.004	0.089	0.074	0.039	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.191
MAXIMUM DAILY, 3.26 ON APR 26
MINIMUM DAILY, 0.004 ON SEP 07
MAXIMUM INSTANTANEOUS,
3.55 AT 23:23 EST ON APR 25

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 58 48 N
LONG 087 21 53 W
DRAINAGE AREA, 20.9 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	16.8	JUL	257
FEB	14.5	AUG	73.9
MAR	459	SEP	307
APR	1 620	OCT	1 300
MAY	749	NOV	583
JUN	501	DEC	145

TOTAL DISCHARGE, 6 030 dam³

WHITSON RIVER AT CHELMSFORD - STATION NO. 02CF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.610B	0.970B	0.780B	4.00B	4.08	2.85	11.3	0.878	0.501	0.779	2.14	16.0	1
2	0.605B	0.945B	0.795B	4.10B	3.58	2.60	10.5	0.917	0.517	0.795	2.05	13.3	2
3	0.605B	0.920B	0.770B	3.70B	3.19	2.56	8.87	0.953	0.497	0.868	2.03	9.75	3
4	0.630B	0.900B	0.760B	4.10B	2.96	2.37	6.59	0.949	0.507	0.901	1.00	9.19	4
5	0.650B	0.875B	0.750B	5.00B	2.73	2.12	5.04	0.925	0.529	0.957	1.96	7.50B	5
6	0.655B	0.885B	0.735B	4.70B	2.61	2.00	4.04	0.899	0.531	0.953	2.17	6.70B	6
7	0.645B	0.910B	0.720B	4.50B	2.45	1.89	3.30	0.865	0.525	0.914	2.28	6.10B	7
8	0.660B	0.950B	0.710B	4.30B	2.84	1.77	2.97	0.843	0.525	0.934	2.26	5.50B	8
9	0.685B	0.980B	0.730B	4.60B	3.39	1.77	2.89	0.854	0.522	0.881	2.20B	5.10B	9
10	0.670B	1.00 B	0.770B	5.35B	4.01	1.72	2.67	0.880	0.512	0.962	2.12B	4.80B	10
11	0.655B	0.965B	0.850B	5.25B	4.76	1.63	2.49	0.833	0.512	1.05	2.01B	4.55B	11
12	0.640B	0.950B	0.940B	5.00B	4.58	1.55	2.13	0.805	0.530	1.25	1.90B	4.15B	12
13	0.620B	0.930B	1.10 B	4.85B	4.20	1.58	1.85	0.781	0.545	1.27	1.88B	3.75B	13
14	0.600B	0.900B	1.50 B	4.80B	3.70	1.59	1.68	0.749	0.604	1.29	1.85B	3.50B	14
15	0.590B	0.875B	2.68 B	5.00B	3.48	1.51	1.56	0.732	0.681	1.40	1.82B	3.25B	15
16	0.575B	0.855B	5.27 B	4.90B	3.74	1.44	1.44	0.692	0.688	1.40	1.90B	3.05B	16
17	0.606B	0.845B	13.6 B	5.10B	9.15	1.44	1.39	0.678	0.661	1.54	3.39	2.88B	17
18	0.800B	0.830B	16.5 B	5.32	20.7	1.53	1.34	0.649	0.638	1.93	3.49	2.80B	18
19	1.30 B	0.807B	18.3 B	5.79	25.1	1.84	1.27	0.611	0.630	2.69	4.35	2.75B	19
20	1.26 B	0.828B	20.3 B	7.12	25.6	1.84	1.21	0.597	0.636	3.59	4.50	2.60B	20
21	1.22 B	0.850B	21.7 B	8.29	24.2	1.73	1.18	0.583	0.655	4.16	4.64	2.48B	21
22	1.19 B	0.875B	21.1 B	8.96	19.0	1.62	1.14	0.554	0.706	3.96	7.30	2.65B	22
23	1.15 B	0.860B	19.6 B	9.03	14.5	3.17	1.10	0.543	0.681	3.59	8.88	2.52B	23
24	1.12 B	0.840B	17.1 B	8.60	11.2	7.65	1.05	0.545	0.691	3.23	10.5	2.35B	24
25	1.09 B	0.820B	15.3 B	8.54	8.80	7.19	1.05	0.532	0.711	2.96	10.8	2.22B	25
26	1.10 B	0.810B	13.9 B	8.04	7.02	7.04	1.01	0.528	0.706	2.65	9.17	2.08B	26
27	1.11 B	0.795B	11.4 B	7.38	5.55	6.11	0.971	0.523	0.722	2.39	10.6	1.92B	27
28	1.07 B	0.780B	9.43 B	6.41	4.66	4.93	0.944	0.523	0.751	2.47	15.4	1.98B	28
29	1.04 B		6.91 B	5.40	3.95	5.35	0.916	0.526	0.763	2.45	16.9	2.04B	29
30	1.02 B		4.57 B	4.66	3.47	9.89	0.947	0.524	0.759	2.52	16.7	1.99B	30
31	0.990B		3.91 B		3.14		0.915	0.517		2.31		1.92B	31
TOTAL	26.161	24.750	233.500	172.79	242.40	92.28	85.753	21.988	18.436	59.044	159.19	140.37	TOTAL
MEAN	0.844	0.884	7.53	5.76	7.82	3.08	2.77	0.709	0.615	1.90	5.31	4.53	MEAN
MAX	1.30	1.00	21.7	9.03	25.6	9.89	11.3	0.953	0.763	4.16	16.9	16.0	MAX
MIN	0.575	0.780	0.710	3.70	2.45	1.44	0.915	0.517	0.497	0.779	1.82	1.92	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.50
MAXIMUM DAILY, 25.6 ON MAY 20
MINIMUM DAILY, 0.497 ON SEP 03
MAXIMUM INSTANTANEOUS,
26.1 AT 22:17 EST ON MAY 20

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 34 56 N
LONG 081 11 59 W
DRAINAGE AREA, 243 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 260	JUL	7 410
FEB	2 140	AUG	1 900
MAR	20 200	SEP	1 590
APR	14 900	OCT	5 100
MAY	20 900	NOV	13 800
JUN	7 970	DEC	12 100

TOTAL DISCHARGE, 110 000 dam³

WHITSON RIVER AT VAL CARON - STATION NO. 02CF008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	0.510E	0.295E	0.405E	1.82	9.76	1
2	---	---	---	---	---	---	---	0.500E	0.290E	0.435E	1.80	7.96	2
3	---	---	---	---	2.57A	---	---	0.520E	0.295E	0.470E	1.75	5.91	3
4	---	---	---	---	---	---	---	0.545E	0.289E	0.540E	1.63	4.96	4
5	---	---	---	---	---	---	3.82A	0.535E	0.295E	0.690	1.66	4.40B	5
6	---	---	---	---	---	---	---	0.515E	0.305E	0.685E	1.81	4.00B	6
7	---	---	---	---	---	---	---	0.505E	0.301E	0.660E	1.83	3.70B	7
8	---	---	---	---	---	---	---	0.480E	0.300E	0.685E	1.82B	3.54	8
9	---	---	---	---	---	---	---	0.485E	0.301E	0.660E	1.81	3.30	9
10	---	---	---	---	---	---	---	0.500E	0.298E	0.750E	1.80	3.14	10
11	---	---	---	---	---	---	---	0.480E	0.294E	0.920E	1.71	2.92B	11
12	---	---	---	---	---	---	---	0.465E	0.295E	1.10 E	1.68B	2.64	12
13	---	---	---	---	---	---	---	0.455E	0.305E	1.13 E	1.66B	2.57	13
14	---	---	---	---	---	---	---	0.440E	0.320E	1.16 E	1.64B	2.46B	14
15	---	---	---	---	---	---	---	0.420E	0.348E	1.20 E	1.63	2.22	15
16	---	---	---	---	---	---	---	0.405E	0.345E	1.26 E	2.02	2.05	16
17	---	---	---	---	---	---	---	0.395E	0.335E	1.35 E	2.76	1.92	17
18	---	---	---	---	---	---	---	0.375E	0.328E	1.50 E	3.50B	1.90	18
19	---	---	---	---	---	---	---	0.365E	0.325E	1.70 E	3.94	1.87B	19
20	---	---	---	---	26.6 A	---	---	0.375	0.330E	2.10 E	3.77	1.78B	20
21	---	---	---	---	22.6 A	---	---	0.347	0.335E	3.20 E	3.71	1.68	21
22	---	---	---	---	---	---	---	0.335E	0.360E	3.07 E	4.57	1.73	22
23	---	---	---	---	---	---	---	0.325E	0.348E	2.80 E	5.50	1.68B	23
24	---	---	---	---	---	---	---	0.315E	0.350E	2.58 E	6.69	1.57B	24
25	---	---	---	5.15A	---	---	---	0.310E	0.355E	2.32 E	6.74	1.48B	25
26	---	---	---	4.75A	---	---	---	0.307E	0.362E	2.20 E	6.28B	1.39B	26
27	---	---	---	4.88A	---	---	---	0.305E	0.360E	2.10 E	6.23	1.30B	27
28	---	---	---	---	---	---	---	0.304E	0.375E	2.17 E	8.23	1.33B	28
29	---	---	---	4.19A	---	---	---	0.305E	0.405E	2.09 E	11.0	1.34	29
30	---		---	---	---	---	---	0.305E	0.395E	2.05	11.9	1.23	30
31	---		---		---		---	0.303E		1.94		1.13B	31
TOTAL	---	---	---	---	---	---	---	12.731	9.839	45.920	112.89	88.46	TOTAL
MEAN	---	---	---	---	---	---	---	0.411	0.328	1.48	3.76	2.85	MEAN
MAX	---	---	---	---	---	---	---	0.545	0.405	3.20	11.9	9.76	MAX
MIN	---	---	---	---	---	---	---	0.303	0.289	0.405	1.63	1.13	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 37 20 N
LONG 081 00 30 W
DRAINAGE AREA, 155 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	1 100
MAR	---	SEP	850
APR	---	OCT	3 970
MAY	---	NOV	9 750
JUN	---	DEC	7 640

WILLOW CREEK ABOVE LITTLE LAKE - STATION NO. 02ED009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.350B	0.837	0.795B	1.17	0.258	0.072	0.701	0.088	0.005	0.193	0.202	1.36	1
2	0.390B	0.908	0.763	1.61	0.197	0.075	0.442	0.075	0.004	0.259	0.177	1.43	2
3	0.285B	0.796	0.756	2.97	0.170	0.110	0.259	0.063	0.002	0.228	0.154	1.04	3
4	0.355B	0.692	0.636	2.71	0.152	0.085	0.163	0.059	0.002	0.272	0.154	1.10	4
5	0.780B	0.592	0.527	3.04	0.183	0.066	0.110	0.061	0.016	0.446	0.344	1.05	5
6	0.720B	0.543	0.451	2.11	0.179	0.055	0.080	0.057	0.031	0.337	2.44	0.923	6
7	0.660B	0.517	0.384	1.53	0.237	0.055	0.064	0.049	0.013	0.270	1.57	0.836	7
8	0.610B	0.559	0.345	1.19	0.255	0.048	0.066	0.046	0.011	0.241	1.36	0.733	8
9	0.575B	1.74	0.332	1.07	0.230	0.044	0.116	0.035	0.004	0.649	1.10	0.746	9
10	0.545B	2.61	0.381	2.02	0.292	0.048	0.104	0.024	0.012	1.18	1.07	1.05	10
11	0.525B	1.70	1.04	3.18	0.430	0.053	0.082	0.024	0.016	1.04	1.01	0.881	11
12	0.505B	1.26	18.8 B	1.97	0.362	0.030	0.072	0.023	0.012	0.944	0.925	0.703	12
13	0.495B	1.22	21.0 B	1.41	0.298	0.027	0.060	0.029	0.008	1.11	0.801	1.21	13
14	0.480B	1.43 B	19.1 B	1.22	0.265	0.039	0.055	0.035	0.009	0.860	0.713	1.13	14
15	0.465B	1.31 B	13.2	1.46	0.204	0.066	0.089	0.033	0.102	0.771	0.817	0.816	15
16	0.455B	1.25	8.97	1.24	0.281	0.047	0.116	0.030	0.061	0.667	1.03	0.705	16
17	0.540B	0.989B	6.90	1.41	2.45	0.031	0.111	0.031	0.031	0.612	0.959	0.653	17
18	1.59	0.886B	5.29	1.17	2.36	0.025	0.106	0.026	0.024	0.652	0.706	0.930	18
19	1.64	0.792	4.04	0.893	1.51	0.023	0.102	0.020	0.026	0.676	0.607	1.11	19
20	1.30	0.707	3.25	0.917	1.86	0.019	0.203	0.018	0.023	0.562	0.576	0.953	20
21	1.02	0.645	2.65	1.44	2.33	0.023	0.185	0.017	0.021	0.500	0.486	0.737	21
22	0.883	0.887	2.37	1.11	1.46	0.043	0.164	0.015	0.029	0.448	3.41	2.93	22
23	0.795	2.88	3.12	0.912	0.944	0.046	0.171	0.015	0.038	0.406	3.10	3.30 B	23
24	0.795	2.42	2.21	0.790	0.636	0.068	0.167	0.016	0.046	0.335	2.25	2.19 B	24
25	0.889	1.87	1.73	0.733	0.491	0.054	0.155	0.014	0.040	0.313	1.97	1.66 B	25
26	1.31	1.37	1.48	0.638	0.373	0.032	0.147	0.015	0.044	0.282	1.67	1.24 B	26
27	1.21	1.11	1.14	0.530	0.262	0.022	0.141	0.014	0.050	0.281	2.16	0.975B	27
28	1.40	0.934	0.940	0.448	0.185	0.016	0.131	0.013	0.046	0.261	2.37	0.805	28
29	1.29		0.824	0.379	0.154	0.322	0.109	0.011	0.041	0.247	1.80	2.47	29
30	1.08		0.788	0.323	0.132	0.592	0.096	0.007	0.123	0.217	1.52	6.51 B	30
31	0.918		0.932		0.089		0.100	0.006		0.187		3.56 B	31
TOTAL	24.855	33.454	125.144	41.593	19.239	2.236	4.667	0.969	0.890	15.446	37.451	45.736	TOTAL
MEAN	0.802	1.19	4.04	1.39	0.621	0.075	0.151	0.031	0.030	0.498	1.25	1.48	MEAN
MAX	1.64	2.88	21.0	3.18	2.45	0.592	0.701	0.088	0.123	1.18	3.41	6.51	MAX
MIN	0.285	0.517	0.332	0.323	0.089	0.016	0.055	0.006	0.002	0.187	0.154	0.653	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.964
MAXIMUM DAILY, 21.0B ON MAR 13
MINIMUM DAILY, 0.002 ON SEP 03
MAXIMUM INSTANTANEOUS,
27.8 AT 23:52 EST ON MAR 13

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 25 29 N
LONG 079 38 39 W
DRAINAGE AREA, 94.8 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 150	JUL	403
FEB	2 890	AUG	83.7
MAR	10 800	SEP	76.9
APR	3 590	OCT	1 330
MAY	1 660	NOV	3 240
JUN	193	DEC	3 950

TOTAL DISCHARGE, 30 400 dam³

WILLOW CREEK AT MIDHURST - STATION NO. 02ED010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.495	1.18	1.33	1.53	0.895	0.455	0.222	0.130	0.043	0.320	0.584	2.07	1
2	0.498	1.12	1.25	1.52	0.811	0.319	0.228	0.080	0.045	0.359	0.549	1.94	2
3	0.489	1.06	1.19	1.67	0.758	0.207	0.262	0.087	0.041	0.407	0.487	1.98	3
4	0.537	1.02	1.09 B	1.92	0.706	0.118	0.235	0.113	0.049	0.486	0.415	1.85	4
5	0.586	0.940	1.01 B	2.18	0.603	0.091	0.175	0.140	0.048	0.530	0.516	1.65	5
6	0.623	0.871	0.895B	2.27	0.459	0.097	0.134	0.320	0.046	0.537	0.854	1.62	6
7	0.672	0.800	0.820B	2.22	0.297	0.087	0.098	0.278	0.047	0.521	1.11	1.55	7
8	0.691	0.752	0.753	2.05	0.230	0.064	0.082	0.149	0.066	0.527	1.33	1.48	8
9	0.709	0.849	0.705	1.91	0.172	0.070	0.109	0.078	0.039	0.714	1.37	1.41	9
10	0.725	1.10	0.663	1.89	0.201	0.101	0.083	0.053	0.097	0.947	1.34	1.34	10
11	0.728	1.30	0.767	2.10	0.170	0.094	0.075	0.045	0.094	1.03	1.24	1.30	11
12	0.730	1.33	2.41 B	2.24	0.200	0.062	0.070	0.040	0.090	1.07	1.17	1.29	12
13	0.721	1.34	5.82 B	2.18	0.203	0.058	0.055	0.046	0.088	1.12	1.17	1.27	13
14	0.720	1.36	11.3 B	2.06	0.454	0.061	0.066	0.038	0.089	1.10	1.10	1.17	14
15	0.704	1.38	14.5 B	1.99	0.372	0.063	0.066	0.035	0.117	1.05	1.08	1.26	15
16	0.667	1.37	13.4	1.90	0.398	0.061	0.078	0.036	0.098	1.03	1.06	1.24	16
17	0.700	1.32	11.1	1.80	1.02	0.061	0.067	0.040	0.079	0.990	1.05	1.18	17
18	0.807	1.25 B	8.80	1.73	1.40	0.054	0.053	0.037	0.080	0.951	1.05	1.17	18
19	0.924	1.15 B	6.66	1.68	1.69	0.060	0.065	0.040	0.069	0.838	1.01	1.18	19
20	1.04	1.07 B	5.19	1.61	2.00	0.067	0.138	0.063	0.077	0.839	0.961	1.11	20
21	1.09	1.01	4.17	1.61	2.21	0.063	0.109	0.141	0.075	0.812	0.925	1.17	21
22	1.09	1.07	3.54	1.59	2.15	0.060	0.088	0.093	0.092	0.735	1.24	1.36	22
23	1.05	1.30	3.24	1.55	1.98	0.074	0.093	0.057	0.111	0.699	1.83	1.76	23
24	1.00	1.51	3.03	1.47	1.78	0.079	0.084	0.052	0.124	0.678	2.14	1.99	24
25	1.02	1.64 B	2.74	1.36	1.61	0.062	0.067	0.052	0.122	0.701	2.09	1.92	25
26	1.06	1.56 B	2.44	1.27	1.39	0.064	0.052	0.051	0.139	0.916	2.09	1.83	26
27	1.13	1.52	2.25	1.19	1.23	0.062	0.045	0.051	0.152	0.757	2.11	1.72	27
28	1.18	1.41	2.03	1.15	1.09	0.059	0.052	0.052	0.206	0.693	2.20	1.58	28
29	1.23		1.83	1.07	0.972	0.115	0.242	0.059	0.152	0.655	2.24	1.67	29
30	1.25		1.73	1.00	0.855	0.190	0.249	0.058	0.207	0.633	2.17	2.19	30
31	1.22		1.61		0.660		0.191	0.050		0.607		2.70B	31
TOTAL	26.086	33.582	118.263	51.71	28.966	3.078	3.633	2.564	2.782	23.252	38.481	48.95	TOTAL
MEAN	0.842	1.20	3.81	1.72	0.934	0.103	0.117	0.083	0.093	0.750	1.28	1.58	MEAN
MAX	1.25	1.64	14.5	2.27	2.21	0.455	0.262	0.320	0.207	1.12	2.24	2.70	MAX
MIN	0.489	0.752	0.663	1.00	0.170	0.054	0.045	0.035	0.039	0.320	0.415	1.11	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.04
MAXIMUM DAILY, 14.5B ON MAR 15
MINIMUM DAILY, 0.035 ON AUG 15
MAXIMUM INSTANTANEOUS,
14.9B AT 12:16 EST ON MAR 15

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 26 39 N
LONG 079 43 47 W
DRAINAGE AREA, 127 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 250	JUL	314
FEB	2 900	AUG	222
MAR	10 200	SEP	240
APR	4 470	OCT	2 010
MAY	2 500	NOV	3 320
JUN	266	DEC	4 230

TOTAL DISCHARGE, 32 900 dam³

WILMOT CREEK NEAR NEWCASTLE - STATION NO. 02HD009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.600B	0.786	1.09	1.20 E	0.739	0.588	0.890	0.359	0.383	0.601	0.567	0.598	1
2	0.570B	0.750B	1.25	1.47 E	0.675	0.616	0.615	0.369	0.367	0.542	0.561	0.586	2
3	0.560B	0.700B	1.23 B	2.73 E	0.681	0.736	0.542	0.390	0.359	0.505	0.563	0.600	3
4	0.800B	0.840B	0.810B	2.21 E	0.673	0.658	0.495	0.391	0.373	0.706	0.577	1.79	4
5	1.20 B	1.02 B	0.540E	2.72 E	0.901	0.601	0.468	0.451	0.800	0.689	0.659	1.16	5
6	0.800B	1.25	0.620E	1.60 E	0.840	0.612	0.463	0.460	0.541	0.579	1.03	0.894	6
7	0.560B	0.961	0.870E	1.23 E	0.770	0.571	0.455	0.439	0.506	0.541	0.743	0.818	7
8	0.520B	1.72	0.970E	1.09 E	0.824	0.587	0.466	0.412	0.441	0.540	0.696	0.778	8
9	0.600B	5.64	0.886E	1.05 E	0.757	0.694	0.659	0.386	0.436	0.889	0.622	0.814	9
10	1.25 B	2.24	0.875E	2.24 E	0.932	0.617	0.507	0.390	0.469	0.923	0.632	0.917	10
11	0.700B	1.19	4.37 E	3.46 E	0.924	0.584	0.458	0.402	0.495	0.935	0.646	0.746	11
12	0.480B	0.889	25.0 E	1.71 E	0.761	0.531	0.431	0.428	0.435	0.877	0.624	0.702	12
13	0.455B	1.67	7.86 E	1.04 E	1.06	0.538	0.418	0.907	0.421	1.02	0.604	0.907	13
14	0.600B	2.41 B	4.46 E	1.28 E	0.916	0.581	0.441	0.681	0.434	0.739	0.580	0.745	14
15	0.900B	0.955	3.14 E	1.73 E	0.755	0.599	0.969	0.532	0.622	0.673	0.609	0.670	15
16	1.00 B	1.03	2.61 E	1.40 E	1.03	0.536	0.724	0.556	0.505	0.620	0.624	0.670	16
17	2.80	0.860B	2.26 E	1.60 E	2.53	0.518	0.586	0.485	0.444	0.802	0.613	0.662	17
18	8.09	0.780B	1.80 E	1.21	1.99	0.555	0.534	0.483	0.442	1.16	0.568	1.20	18
19	1.51	0.740B	1.35 E	1.10	1.27	0.517	0.468	0.478	0.445	0.985	0.562	1.38	19
20	0.985B	0.660B	1.16 E	1.38	2.10	0.486	0.593	0.455	0.468	0.694	0.559	0.813	20
21	0.780B	0.704	1.10 E	2.24	1.90	0.598	0.607	0.421	0.460	0.646	0.581	0.890	21
22	0.760B	3.21	1.19 E	1.50	1.18	0.657	0.566	0.438	0.485	0.623	0.718	2.18	22
23	0.730B	9.55	1.99 E	1.27	0.979	0.626	1.33	0.444	0.482	0.585	0.888	3.93	23
24	1.41	2.56	1.24 E	1.16	0.884	0.622	0.723	0.413	0.475	0.569	0.713	1.77	24
25	3.19	1.19 B	1.04 E	1.10	0.835	0.549	0.554	0.412	0.460	0.555	0.710	1.11	25
26	3.25	1.15 B	1.04 E	1.08	0.732	0.517	0.484	0.398	0.460	0.559	0.659	0.985B	26
27	1.45	1.20	0.952E	1.00	0.732	0.616	0.447	0.364	0.454	0.561	0.689	1.55 B	27
28	1.29 B	1.10	0.919E	0.955	0.766	0.544	0.426	0.375	0.444	0.662	0.728	1.36 B	28
29	1.65 B		0.908E	0.872	0.679	0.624	0.425	0.403	0.484	0.612	0.650	3.99	29
30	0.894		0.952E	0.803	0.659	0.852	0.407	0.394	0.729	0.590	0.599	4.44	30
31	0.862		1.25 E		0.631		0.412	0.376		0.581		1.53	31
TOTAL	41.246	47.715	75.732	45.430	31.105	17.930	17.563	13.892	14.319	21.563	19.574	41.185	TOTAL
MEAN	1.33	1.70	2.44	1.51	1.00	0.598	0.567	0.448	0.477	0.696	0.653	1.33	MEAN
MAX	8.09	9.55	25.0	3.46	2.53	0.852	1.33	0.907	0.800	1.16	1.03	4.44	MAX
MIN	0.455	0.660	0.540	0.803	0.631	0.486	0.407	0.359	0.359	0.505	0.559	0.586	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.06
MAXIMUM DAILY, 25.0E ON MAR 12
MINIMUM DAILY, 0.359 ON AUG 01
MAXIMUM INSTANTANEOUS,
60.9 AT 02:00 EST ON MAR 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 55 47 N
LONG 078 37 06 W
DRAINAGE AREA, 82.6 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 560	JUL	1 520
FEB	4 120	AUG	1 200
MAR	6 540	SEP	1 240
APR	3 930	OCT	1 860
MAY	2 690	NOV	1 690
JUN	1 550	DEC	3 560

TOTAL DISCHARGE, 33 500 dam³

WILTON CREEK NEAR NAPANEE - STATION NO. 02HM004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.630B	1.44B	2.65 B	1.78	1.59	0.530	0.335	0.067	0.020	0.038	0.867	0.894	1
2	0.715B	1.36B	2.20 B	1.91	1.43	0.493	0.347	0.066	0.019	0.034	0.756	0.816	2
3	0.613B	1.30B	1.85 B	2.76	1.23	0.514	0.307	0.057	0.017	0.026	0.675	0.694	3
4	0.984B	1.24B	1.55 B	5.32	1.12	0.603	0.289	0.052	0.017	0.028	0.614	4.00 B	4
5	1.99 B	1.18B	1.25 B	7.57	1.22	0.529	0.268	0.052	0.035	0.050	0.602	8.18 B	5
6	1.42 B	1.12B	0.955B	6.59	1.50	0.476	0.236	0.054	0.057	0.060	0.969	7.00	6
7	1.27 B	1.07B	0.840B	4.84	1.56	0.432	0.196	0.050	0.058	0.048	1.19	4.76	7
8	1.12 B	1.25B	0.687B	3.44	1.64	0.406	0.181	0.061	0.027	0.045	1.24	3.76	8
9	1.03 B	3.50B	0.630B	2.67	1.42	0.393	0.175	0.098	0.021	0.054	1.17	3.07	9
10	1.01 B	4.90B	0.782B	3.02	1.28	0.477	0.154	0.055	0.020	0.070	1.34	3.00	10
11	0.970B	3.10B	3.50 B	5.98	1.39	0.671	0.136	0.035	0.018	0.111	1.50	2.49 B	11
12	0.920B	2.60B	8.10 B	5.64	1.23	0.542	0.129	0.028	0.012	0.201	1.45	2.13 B	12
13	0.870B	2.25B	10.8 B	4.36	1.26	0.490	0.124	0.059	0.010	0.613	1.30 B	2.12	13
14	0.820B	3.98B	13.2 B	3.61	1.59	0.423	0.110	0.115	0.009	0.624	1.08 B	1.78 B	14
15	0.780B	2.45B	11.0 B	3.51	1.30	0.383	0.094	0.124	0.010	0.558	1.03	1.65 B	15
16	0.770B	2.30B	9.73	3.07	1.16	0.367	0.080	0.087	0.011	0.526	1.01	1.62	16
17	1.58 B	2.70B	10.3	2.69	2.73	0.331	0.077	0.079	0.011	0.500	0.963	1.45 B	17
18	9.00 B	2.10B	10.3	2.38	3.78	0.993	0.082	0.073	0.010	0.838	0.846	1.98 B	18
19	9.50 B	1.60B	8.39	2.06	3.18	0.785	0.074	0.059	0.009	1.88	0.725	3.79	19
20	8.20 B	1.40B	6.83	1.82	3.24	0.482	0.073	0.050	0.009	1.98	0.654	2.54 B	20
21	7.00 B	1.20B	5.33	2.65	4.90	0.414	0.063	0.050	0.010	1.76	0.609	2.13 B	21
22	3.80 B	1.45B	4.13	2.55	4.84	0.408	0.070	0.050	0.010	1.58	0.589	4.71	22
23	2.69 B	8.00B	3.65	2.32	3.61	0.418	0.095	0.041	0.011	1.44	0.858	10.8	23
24	2.70 B	8.20B	3.08	2.00	2.74	0.433	0.096	0.032	0.010	1.26	0.827	14.3 B	24
25	3.77 B	7.10B	2.59	3.37	2.03	0.444	0.112	0.028	0.010	1.10	0.757	10.5 B	25
26	5.60 B	5.00B	2.25	3.68	1.78	0.400	0.116	0.026	0.008	0.927	0.766	9.67 B	26
27	3.75 B	3.50B	1.89	2.73	1.48	0.349	0.099	0.023	0.009	0.760	0.838	9.20 B	27
28	2.95 B	2.85B	1.69	2.34	1.13	0.298	0.081	0.023	0.010	0.904	1.12	9.02 B	28
29	2.40 B		1.55	2.11	0.929	0.295	0.070	0.030	0.010	1.04	1.07	9.62 B	29
30	1.75 B		1.48	1.84	0.732	0.302	0.055	0.024	0.031	0.988	0.978	14.6 B	30
31	1.50 B		1.55		0.598		0.072	0.021		0.946		12.5 B	31
TOTAL	82.102	80.14	134.734	100.61	59.619	14.081	4.396	1.669	0.519	20.989	28.393	164.774	TOTAL
MEAN	2.65	2.86	4.35	3.35	1.92	0.469	0.142	0.054	0.017	0.677	0.946	5.32	MEAN
MAX	9.50	8.20	13.2	7.57	4.90	0.993	0.347	0.124	0.058	1.98	1.50	14.6	MAX
MIN	0.613	1.07	0.630	1.78	0.598	0.295	0.055	0.021	0.008	0.026	0.589	0.694	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.90
MAXIMUM DAILY, 14.6B ON DEC 30
MINIMUM DAILY, 0.008 ON SEP 26

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 14 22 N
LONG 076 50 56 W
DRAINAGE AREA, 112 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 090	JUL	380
FEB	6 920	AUG	144
MAR	11 600	SEP	44.8
APR	8 690	OCT	1 810
MAY	5 150	NOV	2 450
JUN	1 220	DEC	14 200

TOTAL DISCHARGE, 59 700 dam³

WINDIGO RIVER ABOVE MUSKRAT DAM LAKE - STATION NO. 04CB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	45.5B	29.9B	26.5B	35.9B	108	192	131	85.3	57.3	54.4	51.6	46.8B	1
2	44.8B	29.8B	26.4B	36.1B	115	173	128	86.4	56.4	53.1	52.2	46.5B	2
3	43.9B	29.7B	26.3B	36.1B	122	167	124	83.0	60.8	55.3	53.3	46.2B	3
4	45.0B	29.4B	26.2B	36.2B	130	174	120	76.5	59.8	57.0	50.1	46.0B	4
5	42.1B	29.3B	26.1B	36.3B	137	177	121	75.7	60.4	54.5	50.4	45.7B	5
6	41.4B	29.2B	26.0B	36.4B	147	175	122	78.6	56.6	52.9	51.3	45.3B	6
7	40.8B	29.1B	25.9B	36.6B	157	168	123	78.0	56.0	53.4	50.7	45.1B	7
8	40.0B	29.0B	25.9B	36.9B	167	169	119	76.5	58.3	54.4	50.8	44.9B	8
9	39.4B	28.9B	25.8B	37.0B	175	169	115	70.2	53.7	55.1	50.9	44.7B	9
10	38.8B	28.7B	25.8B	37.1B	181	165	114	70.0	53.3	58.8	50.9	44.4B	10
11	38.2B	28.4B	25.9B	37.3B	186	168	114	70.6	54.1	61.7	50.5	44.0B	11
12	37.7B	28.2B	26.2B	37.5B	191	167	114	70.1	49.9	58.3	50.2	43.8B	12
13	37.0B	28.1B	26.8B	37.8B	194	163	114	72.8	52.5	55.9	49.5	43.6B	13
14	36.4B	28.0B	27.8B	38.1B	198	158	117	71.7	52.7	56.2	49.6	43.4B	14
15	35.9B	28.0B	28.8B	38.5B	203	163	108	67.2	52.6	54.8	49.6	43.0B	15
16	35.5B	27.9B	30.0B	39.2B	206	163	106	66.6	50.7	54.7	49.4	42.8B	16
17	35.0B	27.8B	31.3B	40.0B	204	156	103	63.9	54.4	52.8	49.2	42.6B	17
18	34.4B	27.6B	32.6B	40.8B	204	154	101	61.9	56.1	51.1	49.3	42.3B	18
19	33.9B	27.5B	33.9B	41.4B	212	155	99.8	63.4	53.3	52.6	49.0	42.1B	19
20	33.6B	27.4B	34.7B	42.4B	217	153	97.8	63.9	50.0	54.6	49.1	41.8B	20
21	33.2B	27.4B	35.3B	43.5B	216	148	96.4	63.9	49.5	54.4	49.9	41.5B	21
22	32.8B	27.3B	36.0B	45.0B	217	143	97.0	62.7	47.8	53.5	49.5B	41.3B	22
23	32.3B	27.2B	36.3B	47.0B	216	144	95.9	62.8	51.5	53.4	49.2B	41.0B	23
24	32.0B	27.0B	36.4B	55.2	215	145	96.2	62.3	53.6	53.7	48.9B	40.8B	24
25	31.6B	26.9B	36.3B	64.2	213	138	92.8	59.4	53.4	54.4	48.5B	40.6B	25
26	30.9B	26.8B	36.0B	71.3	211	135	92.6	59.0	54.5	54.9	48.3B	40.3B	26
27	30.7B	26.7B	35.8B	76.3	204	135	95.0	59.7	53.2	52.5	48.0B	40.0B	27
28	30.5B	26.6B	35.6B	83.7	198	133	95.3	61.3	51.2	51.6	47.6B	39.8B	28
29	30.3B		35.5B	93.3	200	132	88.1	61.7	51.2	53.8	47.3B	39.7B	29
30	30.1B		35.5B	101	199	128	85.6	60.8	53.8	52.7	47.0B	39.5B	30
31	30.0B		35.8B		196		85.6	61.3		52.2		39.3B	31
TOTAL	1 121.7	787.8	953.4	1 438.1	5 739	4 708	3 307.1	2 127.2	1 618.6	1 688.7	1 491.8	1 328.8	TOTAL
MEAN	36.2	28.1	30.8	47.9	185	157	107	68.6	54.0	54.5	49.7	42.9	MEAN
MAX	45.5	29.9	36.4	101	217	192	131	86.4	60.8	61.7	53.3	46.8	MAX
MIN	30.0	26.6	25.8	35.9	108	128	85.6	59.0	47.8	51.1	47.0	39.3	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 72.1
MAXIMUM DAILY, 217 ON MAY 20
MINIMUM DAILY, 25.8B ON MAR 09
MAXIMUM INSTANTANEOUS
218 AT 10:23 EST ON MAY 22

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 20 55 N
LONG 091 47 30 W
DRAINAGE AREA, 10 800 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	96 900	JUL	286 000
FEB	68 100	AUG	184 000
MAR	82 400	SEP	140 000
APR	124 000	OCT	146 000
MAY	496 000	NOV	129 000
JUN	407 000	DEC	115 000

TOTAL DISCHARGE, 2 270 000 dam³

WINISK RIVER BELOW ASHEWEIG RIVER TRIBUTARY - STATION NO. 04DC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	210B	120 B	91.0B	84.0B	103B	622	408	192	146E	117	140	114 B	1
2	207B	117 B	90.5B	84.0B	110B	618	401	188	145E	116	140	113 B	2
3	203B	116 B	90.0B	84.0B	117B	622	393	185	144E	119	155	112 B	3
4	199B	115 B	89.5B	84.0B	124B	617	380	185	143E	124	161	111 B	4
5	195B	113 B	88.5B	84.0B	132B	601	363	184	142E	131	151	110 B	5
6	191B	111 B	88.2B	83.5B	140B	584	349	182E	141E	140	146	109 B	6
7	187B	110 B	88.0B	83.5B	150B	568	339	180E	139E	144	142	108 B	7
8	184B	109 B	87.7B	83.5B	162B	594	334	179E	138E	144	141	107 B	8
9	181B	108 B	87.3B	83.5B	173B	590	337	178E	137E	143	140	106 B	9
10	177B	106 B	87.0B	83.5B	187B	588	336	176E	136E	142	141	105 B	10
11	173B	105 B	86.6B	83.5B	203B	582	321	174E	135E	141	134	105 B	11
12	171B	104 B	86.3B	83.0B	220B	577	304	173E	134E	141	133B	104 B	12
13	168B	103 B	86.0B	83.0B	240B	586	295	171E	133E	142	132B	103 B	13
14	165B	102 B	85.7B	83.0B	263B	596	290	170E	133E	141	131B	102 B	14
15	162B	101 B	85.5B	83.0B	283B	594	288	168E	132E	140	130B	102 B	15
16	159B	100 B	85.3B	83.0B	314B	580	285	167E	131E	139	128B	101 B	16
17	155B	99.5B	85.1B	83.0B	347B	570	279	165E	130E	138	127B	100 B	17
18	153B	99.0B	84.9B	83.0B	382B	564	272	164E	129E	136	126B	99.5B	18
19	150B	98.0B	84.7B	83.0B	415B	547	270	163E	128E	134	125B	99.0B	19
20	147B	97.0B	84.5B	83.0B	450B	528	266	161E	127E	132	124B	98.5B	20
21	144B	96.5B	84.5B	83.0B	495E	521	256	160E	126E	128	123B	98.0B	21
22	142B	95.5B	84.4B	82.5B	535E	513	249	159E	126E	130	122B	97.5B	22
23	139B	95.0B	84.3B	82.5B	575E	495	245	157E	125E	132	121B	97.0B	23
24	136B	94.5B	84.2B	82.5B	625E	472	242	155E	124E	132	120B	96.0B	24
25	134B	93.5B	84.2B	82.5B	670E	460	237	154E	123E	140	119B	95.0B	25
26	132B	92.5B	84.2B	83.5B	675E	456	233	153E	122E	130	118B	94.0B	26
27	129B	92.0B	84.1B	86.0B	673E	446	227	152E	121E	144	117B	93.5B	27
28	126B	91.5B	84.1B	89.0B	672E	435	217	151E	121E	126	116B	93.0B	28
29	123B		84.1B	92.0B	665	425	211	150E	120E	128	115B	92.5B	29
30	122B		84.1B	98.0B	645	415	210	149E	119A	148	115B	92.0B	30
31	121B		84.0B		628		204	147E		146		91.5B	31
TOTAL	4 985	2 884.5	2 668.5	2 529.5	11 373	16 386	9 041	5 192	3 950	4 188	3 933	3 149.0	TOTAL
MEAN	161	103	86.1	84.3	367	546	292	167	132	135	131	102	MEAN
MAX	210	120	91.0	98.0	675	622	408	192	146	148	161	114	MAX
MIN	121	91.5	84.0	82.5	103	415	204	147	119	116	115	91.5	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 193
MAXIMUM DAILY, 675E ON MAY 26
MINIMUM DAILY, 82.5B ON APR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 31 00 N
LONG 087 14 00 W
DRAINAGE AREA, 50 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	431 000	JUL	781 000
FEB	249 000	AUG	449 000
MAR	231 000	SEP	341 000
APR	219 000	OCT	362 000
MAY	983 000	NOV	340 000
JUN	1 420 000	DEC	272 000

TOTAL DISCHARGE, 6 080 000 dam³

WINNIPEG RIVER ABOVE BOUNDARY FALLS - STATION NO. 05PF051

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	300.419	300.192	299.768	300.000E	300.981	301.090	300.459	299.829	300.001	---	1
2	---	---	300.430E	300.276A	299.741	300.010E	300.941	301.141	300.366	299.847	299.999	---	2
3	---	---	300.365E	300.243A	299.733	300.025E	300.987	301.111	300.361	299.864	299.902	---	3
4	---	---	300.345E	300.238A	299.727	299.985E	301.052	301.101	300.401	299.858	299.948	---	4
5	---	---	300.360E	300.165E	299.687	299.955E	301.075	300.951	300.399	299.851	299.958	---	5
6	---	---	300.370E	300.200E	299.666	300.060E	301.117	300.799	300.339	299.847	299.979A	---	6
7	---	---	300.402A	300.274A	299.671	300.160E	301.170	300.707	300.342	299.870	299.988A	---	7
8	---	---	300.372A	300.174A	299.655	300.210E	301.222	300.665	300.309	299.857	299.996	---	8
9	---	---	300.407	300.189	299.652	300.250E	301.272	300.582	300.303	299.891	300.030A	300.006	9
10	---	---	300.402	300.241A	299.682	300.290E	301.311	300.598	300.313	299.914	300.050E	---	10
11	---	---	300.418	300.244E	299.695	300.205E	301.311	300.613	300.289	299.898	300.047E	---	11
12	---	---	300.427	300.229A	299.700	300.230E	301.265	300.603	300.304	299.932	300.045E	---	12
13	---	---	300.425	300.150	299.724	300.425E	301.225	300.647	300.268	299.863	300.033A	---	13
14	---	---	300.358	300.143	299.800	300.405E	301.203	300.640	300.292	299.791	300.028	---	14
15	---	---	300.340	300.086E	299.876	300.330E	301.220	300.639	300.165	299.801	299.972	---	15
16	---	---	300.390	300.047E	299.994	300.340E	301.211	300.601	300.162	299.862	299.970	---	16
17	---	---	300.414E	300.041A	299.925	300.400E	301.159	300.658	300.111	299.932	299.969	---	17
18	---	---	300.358E	299.986	299.811	300.487A	301.168	300.649	300.097	299.949	299.948	---	18
19	---	---	300.368A	299.921	299.778	300.524	301.177	300.620	300.111	299.986	299.940A	---	19
20	---	---	300.352A	299.921	299.846	300.544	301.193	300.545	300.082	299.999	299.951	---	20
21	---	---	300.355E	299.860	299.859	300.731	301.206	300.502	300.081	299.987	299.930	---	21
22	---	---	300.395E	299.861	299.872	300.832	301.111	300.540	300.067	299.953	---	---	22
23	---	---	300.420E	299.897	299.885	300.936	301.055	300.544	300.046	299.990	---	---	23
24	---	---	300.355E	299.925	299.930	300.970	301.091	300.556	299.965	300.039	---	---	24
25	---	---	300.330E	299.926	300.019	300.972	301.060	300.503	299.931	300.071	---	---	25
26	---	---	300.345E	299.939	299.990E	300.946	301.082	300.506	299.926	300.061	---	---	26
27	---	---	300.302A	300.155	299.945E	300.891	301.123	300.518	299.923	300.041	---	---	27
28	---	300.471A	300.260A	300.289	299.940E	300.948	301.142	300.537	299.921	299.964	---	---	28
29	---		300.233A	300.045A	299.950E	301.000	301.168	300.512	299.910	299.916	---	---	29
30	---		300.214	299.840A	300.005E	300.994	301.185	300.471	299.908	299.935	---	---	30
31	---		300.244		300.050E		301.093	300.474		300.004		---	31
MEAN	---	---	300.360	300.088	299.825	300.468	301.148	300.665	300.172	299.923	---	---	MEAN
MAX	---	---	300.430	300.289	300.050	301.000	301.311	301.141	300.459	300.071	---	---	MAX
MIN	---	---	300.214	299.840	299.652	299.955	300.941	300.471	299.908	299.791	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 301.311 ON JUL 10
MINIMUM DAILY, 299.652 ON MAY 09
MAXIMUM INSTANTANEOUS,
301.339 AT 00:59 CST ON JUL 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 12 37 N
LONG 095 05 30 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

DRAINAGE AREA,
126 000 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ.)
APPLY -.183 m ADJUSTMENT TO CONVERT TO ONTARIO HYDRO PROJECT DATUM

WINNIPEG RIVER AT MINAKI - STATION NO. 05PE009

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	315.950	316.030	316.010	316.130	316.060	316.030	315.980	315.980	316.020	316.040	316.060	316.040	1
2	316.010	316.030	316.010	316.070	316.080	316.070	315.990	315.950	316.060	316.040	316.020	316.030	2
3	316.040	316.030	316.040	316.060	316.080	316.050	316.000	315.940	316.050	316.030	316.050	316.020	3
4	316.040	316.030	316.010	316.070	316.070	316.060	316.030	315.910	316.060	316.050	316.020	316.020	4
5	316.040	316.020	316.030	316.070	316.080	316.060	316.050	315.890	316.050	316.060	316.050	316.030	5
6	316.030	316.000	316.050	316.080	316.100	316.060	316.040	315.930	316.060	316.050	316.040	316.040	6
7	316.020	316.000	316.050	316.070	316.090	316.080	316.060	315.960	316.060	316.050	316.050	316.030	7
8	316.010	315.980	316.080	316.060	316.090	316.070	316.070	315.970	316.080	316.070	316.050	316.040	8
9	316.020	315.990	316.030	316.030	316.100	316.060	316.060	316.000	316.070	316.050	316.030	316.020	9
10	316.020	316.000	316.030	315.990	316.080	316.050	316.040	316.000	316.060	316.050	316.050	316.080	10
11	316.020	316.010	316.010	315.960	316.070	316.050	316.030	315.980	316.070	316.050	316.050	316.070	11
12	315.990	316.030	315.990	315.960	316.070	316.060	316.020	315.980	316.070	316.050	316.040	316.070	12
13	315.960	316.010	315.990	316.020	316.070	316.030	316.010	315.950	316.070	316.040	316.020	316.020	13
14	315.960	316.010	316.000	316.030	316.030	316.050	316.000	315.950	316.030	316.060	316.030	316.050	14
15	315.950	316.020	316.050	316.040	315.940	316.080	316.000	315.940	316.050	316.060	316.030	316.020	15
16	315.960	316.060	316.090	316.060	315.830	316.070	316.000	315.950	316.020	316.050	316.020	316.050	16
17	315.980	316.050	316.090	316.060	315.800	316.060	316.010	315.950	316.020	316.000	316.020	316.050	17
18	315.970	316.010	316.090	316.090	315.830	316.060	316.010	315.960	316.030	316.010	316.030	316.040	18
19	315.980	315.970	316.060	316.110	315.920	316.070	316.010	315.960	316.010	316.010	316.030	316.020	19
20	315.970	315.930	316.070	316.120	315.970	316.080	316.020	315.990	316.010	316.010	316.040	316.030	20
21	316.000	315.950	316.100	316.140	315.990	316.120	316.030	316.040	316.010	316.010	316.050	316.070	21
22	315.980	315.990	316.070	316.130	316.020	316.080	316.030	316.050	316.020	316.020	316.060	316.080	22
23	315.980	316.000	316.100	316.130	316.060	316.040	316.020	316.050	316.000	316.030	316.060	316.100	23
24	315.960	316.000	316.110	316.130	316.070	316.010	316.020	316.050	316.040	316.020	316.060	316.080	24
25	315.960	315.990	316.100	316.110	316.050	316.000	316.020	316.060	316.040	316.010	316.070	316.070	25
26	315.950	315.970	316.090	316.110	316.040	316.010	316.030	316.070	316.050	316.020	316.070	316.040	26
27	315.940	315.990	316.090	316.040	316.040	316.000	316.040	316.070	316.050	316.030	316.050	316.060	27
28	315.960	316.000	316.090	315.950	316.060	316.000	316.030	316.050	316.050	316.050	316.040	316.060	28
29	315.990		316.110	315.980	316.050	315.990	316.010	316.030	316.050	316.090	316.050	316.060	29
30	316.040		316.130	316.030	316.060	315.980	315.980	316.040	316.020	316.090	316.030	316.050	30
31	316.060		316.110		316.030		315.980	316.030		316.050		316.050	31
MEAN	315.992	316.004	316.061	316.061	316.027	316.048	316.020	315.990	316.043	316.040	316.042	316.048	MEAN
MAX	316.060	316.060	316.130	316.140	316.100	316.120	316.070	316.070	316.080	316.090	316.070	316.100	MAX
MIN	315.940	315.930	315.990	315.950	315.800	315.980	315.980	315.890	316.000	316.000	316.020	316.020	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MEAN, 316.031
MAXIMUM DAILY, 316.140 ON APR 21
MINIMUM DAILY, 315.800 ON MAY 17

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 59 15 N
LONG 094 39 45 W
DATA CONTRIBUTED BY -
ONTARIO HYDRO

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO ONTARIO HYDRO PROJECT DATUM
APPLY .183 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ.)

WINNIPEG RIVER AT WHITEDOG FALLS POWERHOUSE - STATION NO. 05PE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217	343	244	311	178	289	567	491	228	127	177	242	1
2	289	320	265	384	203	343	568	541	211	154	148	218	2
3	324	341	220	281	216	273	570	411	263	213	160	226	3
4	306	310	244	274	252	299	586	488	291	118	158	207	4
5	341	354	237	279	178	243	617	344	232	168	191	203	5
6	317	322	223	290	225	319	639	318	269	234	175	212	6
7	341	318	290	260	215	329	655	356	241	136	182	228	7
8	302	335	327	239	185	373	665	335	253	151	175	230	8
9	306	317	321	362	238	412	667	356	301	215	178	206	9
10	354	274	293	360	249	352	666	347	244	164	183	247	10
11	349	285	280	274	271	278	660	337	244	164	185	233	11
12	345	326	265	251	216	322	655	337	288	188	182	244	12
13	316	345	261	187	261	431	646	351	220	162	172	255	13
14	334	320	256	262	318	342	653	350	314	159	190	217	14
15	282	262	221	249	342	413	640	308	244	178	172	216	15
16	275	318	326	240	381	389	631	310	224	214	181	264	16
17	328	330	213	263	197	424	631	311	199	162	187	235	17
18	297	321	291	229	94.0	455	632	253	267	169	173	256	18
19	299	308	282	214	179	428	619	215	245	155	168	253	19
20	307	334	250	263	206	337	606	176	191	168	132	162	20
21	341	182	321	236	189	531	600	200	213	166	180	200	21
22	319	289	291	270	240	553	594	274	147	135	166	238	22
23	359	275	252	219	245	546	599	258	156	195	186	208	23
24	374	261	233	290	292	540	575	254	148	168	177	294	24
25	350	265	293	238	311	525	568	231	145	207	176	242	25
26	331	264	255	255	258	521	556	295	193	130	173	249	26
27	285	235	263	482	246	521	598	268	176	179	234	211	27
28	267	292	283	305	249	526	598	327	175	94.0	138	211	28
29	325		268	112	272	534	598	236	229	185	227	244	29
30	312		279	168	296	567	547	323	202	193	209	230	30
31	294		230		281		501	246		215		264	31
TOTAL	9 726	8 446	8 277	8 047	7 483.0	12 405	18 907	9 847	6 756	5 266.0	5 335	7 145	TOTAL
MEAN	314	302	267	268	241	414	610	318	225	170	178	230	MEAN
MAX	359	354	327	482	381	567	667	541	314	234	234	294	MAX
MIN	217	182	213	112	94.0	243	501	176	145	94.0	132	162	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MEAN, 295
MAXIMUM DAILY, 667 ON JUL 09
MINIMUM DAILY, 94.0 ON MAY 18

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 50 07 00 N
LONG 094 52 15 W

REGULATED

DATA CONTRIBUTED BY -
ONTARIO HYDRO

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	840 000	JUL	1 630 000
FEB	730 000	AUG	851 000
MAR	715 000	SEP	584 000
APR	695 000	OCT	455 000
MAY	647 000	NOV	461 000
JUN	1 070 000	DEC	617 000

TOTAL DISCHARGE, 9 300 000 dam³

WINNIPEG RIVER BELOW KENORA POWERHOUSE - STATION NO. 05PE001

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	316.849	316.891	316.880	316.815	316.820	316.899	317.427	317.238	316.896	316.848	316.834	316.710	1
2	316.876	316.875	316.835	316.829	316.828	316.925	317.435	317.178	316.899	316.857	316.743	316.713	2
3	316.886	316.878	316.774	316.816	316.826	316.930	317.488	317.161	316.903	316.859	316.675	316.713	3
4	316.882	316.872	316.750	316.827	316.826	316.920	317.550	317.072	316.915	316.860	316.664	316.705	4
5	316.873	316.875	316.861	316.831	316.831	316.927	317.556	317.037	316.905	316.861	316.661	316.713	5
6	316.872	316.865	316.856	316.829	316.846	316.957	317.582	317.068	316.912	316.863	316.663	316.725	6
7	316.877	316.852	316.833	316.767	316.840	316.977	317.614	317.105	316.911	316.850	316.654	316.724	7
8	316.877	316.851A	316.822A	316.730	316.855	316.983	317.611	317.109	316.911	316.853	316.648	316.722	8
9	316.887	316.856A	316.822A	316.819	316.860	316.981	317.597	317.096	316.913	316.845	316.652	316.717	9
10	316.887	316.859	316.737A	316.837	316.858	316.971	317.584	317.022	316.907	316.834	316.656	316.725	10
11	316.906	316.861A	316.732A	316.810	316.860	316.965	317.579	316.991	316.905	316.842	316.662	316.720	11
12	316.892	316.876A	316.752A	316.794	316.855	316.972	317.566	316.991	316.905	316.841	316.655	316.724	12
13	316.871	316.868	316.782A	316.802	316.851	317.016	317.562	316.985	316.905	316.838	316.637	316.703	13
14	316.871	316.857	316.792A	316.816	316.843	317.091	317.566	316.979	316.885	316.845	316.639	316.695	14
15	316.868	316.860	316.857A	316.817	316.822	317.110	317.568	316.963	316.864	316.851	316.644	316.699	15
16	316.886	316.875	316.852	316.836	316.797	317.120	317.570	316.963	316.845	316.848	316.645	316.705	16
17	316.892	316.901	316.806	316.837	316.794	317.126	317.578	316.912	316.842	316.825	316.636	316.706	17
18	316.888	316.767	316.780	316.840	316.819	317.120	317.572	316.875	316.855	316.826	316.640	316.708	18
19	316.890	316.779	316.796	316.851	316.835	317.125	317.570	316.873	316.848	316.817	316.645	316.701	19
20	316.881	316.779	316.818	316.876	316.853	317.144	317.551	316.880	316.835	316.828	316.647	316.710	20
21	316.886	316.765	316.836	316.884	316.862	317.169	317.488	316.897	316.825	316.832	316.664	316.737	21
22	316.865	316.802A	316.833	316.881	316.879	317.203	317.473	316.911	316.831	316.825	316.664	316.742	22
23	316.870	316.800	316.819	316.873	316.896	317.259	317.467	316.903	316.823	316.832	316.669	316.739	23
24	316.871	316.755	316.787	316.873	316.905	317.267	317.466	316.901	316.828	316.832	316.667	316.734	24
25	316.864	316.721	316.779	316.862	316.902	317.274	317.449	316.906	316.835	316.823	316.674	316.730	25
26	316.851	316.753	316.828A	316.861	316.895	317.275	317.445	316.908	316.848	316.815	316.673	316.715	26
27	316.860	316.773	316.913A	316.834	316.901	317.274	317.410	316.912	316.859	316.834	316.668	316.708	27
28	316.875	316.786	316.963A	316.782	316.902	317.276	317.337	316.904	316.858	316.821	316.658	316.718	28
29	316.879		316.913	316.787	316.903	317.316	317.300	316.895	316.861	316.832	316.677	316.712	29
30	316.884		316.860	316.806	316.906	317.411	317.276	316.897	316.858	316.845	316.675	316.697	30
31	316.891		316.818		316.900		317.273	316.905		316.834		316.692	31
MEAN	316.878	316.827	316.822	316.827	316.857	317.099	317.500	316.982	316.873	316.839	316.666	316.715	MEAN
MAX	316.906	316.891	316.963	316.884	316.906	317.411	317.614	317.238	316.915	316.863	316.834	316.742	MAX
MIN	316.849	316.721	316.732	316.730	316.794	316.899	317.273	316.873	316.823	316.815	316.636	316.692	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 316.908
MAXIMUM DAILY, 317.614 ON JUL 07
MINIMUM DAILY, 316.636 ON NOV 17
MAXIMUM INSTANTANEOUS,
317.635 AT 23:00 CST ON JUL 07

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 49 46 20 N
LONG 094 30 10 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO LAKE OF THE WOODS DATUM
APPLY -.177 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1969 ADJ.)

WINNIPEG RIVER BELOW LAKE OF THE WOODS OUTLETS - STATION NO. 05PE020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	350	347	314	257	251	301	654	539	298	202	200	248	1
2	349	347	300	317	250	297	654	509	297	202	205	248	2
3	349	347	262	318	250	295	676	460	298	201	203	248	3
4	349	347	262	317	250	299	695	419	296	202	203	248	4
5	349	347	314	317	250	301	696	421	297	201	203	248	5
6	349	347	313	317	250	332	701	428	296	201	203	248	6
7	349	348	319	257	250	346	705	435	296	201	203	248	7
8	349	347	320	258	251	346	697	435	297	201	204	248	8
9	348	347	318	318	251	346	699	400	295	200	203	248	9
10	349	347	256	306	251	347	701	354	296	203	203	247	10
11	349	347	256	306	252	349	698	355	297	202	202	247	11
12	348	347	317	303	252	348	701	355	294	201	202	247	12
13	349	346	317	301	252	421	704	355	295	202	203	247	13
14	349	346	316	300	253	452	706	352	268	201	203	247	14
15	349	346	316	300	254	453	701	353	247	201	203	247	15
16	349	342	316	300	255	454	701	356	247	201	203	247	16
17	348	265	255	299	271	454	704	317	249	200	203	247	17
18	348	267	256	299	298	457	700	300	249	200	203	247	18
19	348	325	317	299	298	458	698	301	248	201	203	247	19
20	348	329	316	263	298	458	677	301	231	201	203	248	20
21	348	320	316	250	298	456	651	299	203	200	202	250	21
22	348	325	316	250	298	509	651	299	202	201	203	250	22
23	348	319	316	250	297	554	652	299	202	200	202	250	23
24	348	260	256	250	297	556	653	298	203	200	202	250	24
25	348	261	257	250	298	558	651	298	202	201	202	250	25
26	348	319	317	251	298	556	652	297	202	201	202	251	26
27	348	317	318	250	298	559	610	298	201	200	202	251	27
28	347	321	323	252	298	560	580	298	201	200	202	251	28
29	347		326	253	298	602	573	298	201	201	202	248	29
30	347		316	253	299	649	574	298	202	200	225	247	30
31	347		258		300		578	298		200		247	31
TOTAL	10 799	9 173	9 279	8 461	8 466	13 073	20 693	11 025	7 610	6 228	6 102	7 695	TOTAL
MEAN	348	328	299	282	273	436	668	356	254	201	203	248	MEAN
MAX	350	348	326	318	300	649	706	539	298	203	225	251	MAX
MIN	347	260	255	250	250	295	573	297	201	200	200	247	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 325
MAXIMUM DAILY, 706 ON JUL 14
MINIMUM DAILY, 200 ON OCT 09

LOCATION - LAT 49 47 00 N
LONG 094 30 50 W
DRAINAGE AREA, 70 400 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	933 000	JUL	1 790 000
FEB	793 000	AUG	953 000
MAR	802 000	SEP	658 000
APR	731 000	OCT	538 000
MAY	731 000	NOV	527 000
JUN	1 130 000	DEC	665 000

TOTAL DISCHARGE, 10 300 000 dam³

REMARKS - DAILY DISCHARGES OBTAINED BY SUMMATION OF FLOWS THROUGH ALL LAKE OF THE WOODS OUTLETS

WINNIPEG RIVER BELOW NORMAN DAM AND POWERHOUSE - STATION NO. 05PE012

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	316.825	316.863	316.718	316.713	316.564	316.683	317.544	317.289	316.711	316.543	316.539	316.646	1
2	316.854	316.854	316.725	316.780	316.503	316.744	317.552	317.192	316.715	316.546	316.560	316.648	2
3	316.871	316.851	316.662	316.771	316.584	316.751	317.595	317.108	316.715	316.552	316.583	316.648	3
4	316.867	316.847	316.634	316.784	316.586	316.724	317.664	316.977	316.736	316.552	316.570	316.643	4
5	316.863	316.848	316.712	316.790	316.589	316.733	317.674	316.936	316.720	316.568	316.569	316.644	5
6	316.864	316.836	316.741	316.791	316.600	316.800	317.687	316.936	316.734	316.571	316.578	316.659	6
7	316.861	316.828	316.758	316.674	316.600	316.839	317.710	316.959	316.728	316.555	316.572	316.655	7
8	316.864	316.823	316.795	316.633	316.600	316.855	317.714	316.968	316.733	316.563	316.566	316.653	8
9	316.879	316.823	316.784	316.714	316.611	316.851	317.711	316.945	316.746	316.559	316.569	316.648	9
10	316.874	316.828	316.668	316.699	316.599	316.837	317.705	316.850	316.732	316.539	316.575	316.658	10
11	316.883	316.840	316.625	316.662	316.588	316.826	317.701	316.820	316.728	316.550	316.584	316.654	11
12	316.866	316.850	316.715	316.648	316.579	316.845	317.699	316.808	316.740	316.551	316.575	316.657	12
13	316.841	316.850	316.746	316.666	316.581	316.945	317.703	316.791	316.732	316.539	316.548	316.638	13
14	316.833	316.840	316.756	316.689	316.561	317.070	317.704	316.784	316.690	316.557	316.548	316.632	14
15	316.830	316.833	316.784	316.690	316.515	317.092	317.703	316.773	316.644	316.559	316.559	316.635	15
16	316.845	316.849	316.821	316.710	316.454	317.106	317.700	316.771	316.617	316.554	316.557	316.639	16
17	316.851	316.699	316.775	316.712	316.466	317.114	317.705	316.726	316.603	316.522	316.545	316.642	17
18	316.850	316.641	316.695	316.713	316.548	317.114	317.701	316.666	316.616	316.520	316.552	316.643	18
19	316.855	316.710	316.761	316.711	316.595	317.119	317.696	316.658	316.610	316.503	316.557	316.630	19
20	316.856	316.711	316.787	316.711	316.634	317.137	317.663	316.669	316.577	316.519	316.560	316.633	20
21	316.861	316.696	316.813	316.650	316.654	317.165	317.588	316.700	316.529	316.527	316.579	316.659	21
22	316.864	316.744	316.807	316.646	316.676	317.240	317.570	316.717	316.538	316.519	316.580	316.669	22
23	316.856	316.752	316.810	316.635	316.705	317.335	317.566	316.714	316.515	316.536	316.597	316.665	23
24	316.852	316.648	316.715	316.638	316.721	317.338	317.565	316.722	316.533	316.536	316.591	316.669	24
25	316.849	316.603	316.688	316.623	316.715	317.339	317.558	316.731	316.550	316.520	316.599	316.664	25
26	316.835	316.691	316.772	316.622	316.702	317.342	317.555	316.743	316.554	316.511	316.603	316.650	26
27	316.838	316.726	316.785	316.593	316.705	317.340	317.501	316.740	316.558	316.551	316.594	316.637	27
28	316.854	316.738	316.782	316.512	316.715	317.341	317.410	316.738	316.559	316.538	316.577	316.644	28
29	316.857		316.807	316.494	316.712	317.399	317.384	316.719	316.561	316.558	316.581	316.656	29
30	316.859		316.813	316.531	316.707	317.519	317.364	316.721	316.535	316.567	316.586	316.647	30
31	316.865		316.713		316.690		317.356	316.712		316.540		316.641	31
MEAN	316.856	316.779	316.746	316.674	316.617	317.051	317.611	316.825	316.642	316.543	316.572	316.649	MEAN
MAX	316.883	316.863	316.821	316.791	316.721	317.519	317.714	317.289	316.746	316.571	316.603	316.669	MAX
MIN	316.825	316.603	316.625	316.494	316.454	316.683	317.356	316.658	316.515	316.503	316.539	316.630	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 316.798
MAXIMUM DAILY, 317.714 ON JUL 08
MINIMUM DAILY, 316.454 ON MAY 16
MAXIMUM INSTANTANEOUS,
317.721 AT 22:40 CST ON JUL 07

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 46 15 N
LONG 094 31 25 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO LAKE OF THE WOODS DATUM
APPLY -.177 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1969 ADJ.)

WOLF RIVER AT HIGHWAY NO. 17 - STATION NO. 02AC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.36 B	0.840B	0.730B	2.15B	31.1	7.51	7.49	3.31	2.39	2.30	8.11	4.45B	1
2	1.35 B	0.825B	0.735B	2.40B	28.0	7.29	7.12	3.08	2.46	2.21	7.76	4.35B	2
3	1.34 B	0.805B	0.740B	2.62B	24.5	7.61	7.04	2.97	2.37	2.50	7.54	4.28B	3
4	1.33 B	0.790B	0.745B	2.98B	21.3	7.22	6.83	3.05	2.33	2.83	7.48	4.24B	4
5	1.32 B	0.780B	0.750B	3.15B	18.9	7.02	6.48	3.04	2.22	2.92	7.39	4.20B	5
6	1.31 B	0.765B	0.755B	3.35B	16.9	7.29	6.06	3.01	2.06	3.82	7.15	4.16B	6
7	1.30 B	0.755B	0.765B	3.44B	16.0	7.16	5.87	2.97	1.89	4.52	6.77	4.12B	7
8	1.29 B	0.740B	0.775B	3.47B	16.4	7.10	6.56	2.91	1.72	4.76	6.13	4.08B	8
9	1.28 B	0.730B	0.795B	3.47	17.4	7.06	7.29	2.89	1.63	4.67	5.85	4.04B	9
10	1.26 B	0.720B	0.830B	3.48	18.3	6.79	7.96	2.69	1.60	4.41	5.55	4.00B	10
11	1.25 B	0.710B	0.890B	3.45	18.0	6.44	8.08	2.58	1.48	4.08	5.19	3.97B	11
12	1.24 B	0.700B	0.970B	3.38	16.6	6.76	7.64	2.48	1.54	4.10	4.77	3.94B	12
13	1.23 B	0.695B	1.06 B	3.28	15.3	6.97	6.78	2.32	1.52	3.93	4.50	3.91B	13
14	1.22 B	0.680B	1.14 B	3.34	14.3	7.45	6.05	2.17	1.70	3.97	4.35	3.88B	14
15	1.21 B	0.675B	1.20 B	3.56	13.4	7.56	5.47	2.00	1.61	4.11	4.34	3.85B	15
16	1.20 B	0.675B	1.25 B	3.90	13.9	7.72	5.11	1.96	1.72	4.01	4.21	3.81B	16
17	1.18 B	0.675B	1.28 B	4.14	17.5	8.26	4.60	2.02	1.70	4.28	4.03	3.77B	17
18	1.16 B	0.670B	1.31 B	4.29	22.9	10.0	4.95	1.94	1.69	5.18	3.91	3.72B	18
19	1.14 B	0.670B	1.34 B	4.58	24.4	11.3	5.04	1.77	1.81	5.18	3.88	3.67B	19
20	1.12 B	0.670B	1.38 B	5.67	21.8	13.9	5.03	1.70	1.81	5.33	3.79	3.60B	20
21	1.10 B	0.675B	1.40 B	8.29	18.9	13.3	4.90	1.62	1.98	5.72	4.12	3.52B	21
22	1.07 B	0.680B	1.42 B	12.5	16.8	12.1	4.70	1.53	2.19	6.34	4.31	3.44B	22
23	1.04 B	0.685B	1.47 B	16.1	15.0	11.0	4.72	1.45	2.19	7.67	4.31	3.38B	23
24	1.02 B	0.695B	1.49 B	18.7	13.7	9.59	4.79	1.43	2.28	8.74	4.19	3.30B	24
25	0.985B	0.700B	1.52 B	19.9	12.7	8.73	4.42	1.60	2.44	9.05	4.08	3.23B	25
26	0.960B	0.710B	1.57 B	20.7	11.8	8.68	4.27	1.73	2.65	8.90	4.24	3.15B	26
27	0.935B	0.715B	1.61 B	21.3	11.1	8.22	4.15	1.75	2.68	8.82	4.55	3.08B	27
28	0.910B	0.720B	1.68 B	24.4	10.4	8.07	4.01	1.91	2.56	8.51	4.88	3.00B	28
29	0.895B		1.77 B	28.7	9.45	7.99	3.98	1.89	2.44	8.52	4.63	2.94B	29
30	0.870B		1.87 B	32.9	8.77	7.82	3.77	1.93	2.32	8.71	4.55B	2.87B	30
31	0.855B		1.99 B		8.28		3.52	2.09		8.52		2.81B	31
TOTAL	35.730	20.150	37.230	273.56	523.50	254.91	174.68	69.79	60.98	168.61	156.56	114.76	TOTAL
MEAN	1.15	0.720	1.20	9.12	16.9	8.50	5.63	2.25	2.03	5.44	5.22	3.70	MEAN
MAX	1.36	0.840	1.99	32.9	31.1	13.9	8.08	3.31	2.68	9.05	8.11	4.45	MAX
MIN	0.855	0.670	0.730	2.15	8.28	6.44	3.52	1.43	1.48	2.21	3.79	2.81	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.18
MAXIMUM DAILY, 32.9 ON APR 30
MINIMUM DAILY, 0.670B ON FEB 18
MAXIMUM INSTANTANEOUS,
34.0 AT 13:56 EST ON APR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 49 19 N
LONG 088 32 07 W
DRAINAGE AREA, 736 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 090	JUL	15 100
FEB	1 740	AUG	6 030
MAR	3 220	SEP	5 270
APR	23 600	OCT	14 600
MAY	45 200	NOV	13 500
JUN	22 000	DEC	9 920

TOTAL DISCHARGE, 163 000 dam³

WYE CREEK NEAR THORNDALE - STATION NO. 02GD013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.355B	0.520	0.420B	0.555E	0.083	0.049	0.038	0.327	0.267	0.325	0.195	0.428	1
2	0.420B	0.795	0.490B	0.650E	0.071	0.051	0.029	0.169	0.186	0.284	0.183	0.316	2
3	0.385B	0.571	0.610B	0.836A	0.065	0.069	0.024	0.111	0.133	0.240	0.163	0.361	3
4	1.10 B	0.500	0.490B	0.743	0.072	0.061	0.021	0.081	0.108	0.720	0.161	1.10	4
5	2.80 B	0.408	0.420B	0.519	0.116	0.047	0.018	0.077	0.099	0.689	4.39	0.699	5
6	1.85 B	0.387	0.324	0.396	0.079	0.043	0.016	0.056	0.122	0.397	15.6	0.557	6
7	1.15 B	0.391	0.173	0.340	0.064	0.040	0.015	0.039	0.272	0.284	2.97	0.453	7
8	0.535B	1.55	0.190E	0.276	0.056	0.051	0.019	0.032	0.169	0.292	1.41	0.404	8
9	0.354	6.28	0.375E	0.244	0.049	0.050	3.95	0.027	0.136	2.74	0.978	0.426	9
10	0.399	3.45	0.920E	0.507	0.061	0.037	0.568	0.023	0.113	3.31	0.936	0.791	10
11	0.422	1.25	1.50 E	1.25	0.052	0.033	0.213	0.025	0.087	4.16	0.741	0.780	11
12	0.287	0.782	2.60 E	0.708	0.040	0.027	0.120	0.753	0.069	2.27	0.572	0.704	12
13	0.275B	0.721	3.48 E	0.462	0.211	0.025	0.078	2.15	0.058	2.28	0.474	1.58	13
14	0.265B	0.723	2.65 E	0.430	0.200	0.024	0.197	0.831	0.860	1.10	0.427	0.733	14
15	0.260B	0.525	1.68 E	0.598	0.143	0.023	0.373	0.373	4.86	0.720	0.459	0.557	15
16	0.255B	0.458	1.17 E	0.571	0.289	0.017	0.200	0.210	1.45	0.487	0.416	0.518	16
17	3.91	0.345B	0.910E	0.490	1.00	0.015	0.125	0.153	0.786	0.395	0.336	0.482	17
18	10.3	0.310B	0.750E	0.349	1.24	0.011	0.088	0.119	0.445	1.55	0.290	1.20	18
19	3.23	0.275B	0.605E	0.291	0.665	0.009	0.082	0.781	0.377	1.49	0.268	1.40	19
20	1.37	0.245B	0.515E	0.318	0.892	0.009	0.436	1.07	0.346	0.929	0.236	0.809	20
21	0.870	0.230B	0.460E	0.660	1.22	0.011	0.356	0.527	0.294	0.667	0.212	0.708	21
22	0.690	6.86	0.560E	0.517	0.688	0.010	0.202	0.317	0.290	0.507	1.11	1.48	22
23	0.562	12.0	2.38 E	0.362	0.412	0.123	0.188	0.292	0.418	0.403	1.13	1.55	23
24	1.11	2.89	1.25 E	0.278	0.282	0.280	0.132	0.157	1.21	0.324	0.823	0.950B	24
25	2.07	1.10 B	0.750E	0.226	0.216	0.128	0.087	0.122	0.673	0.273	0.613	0.581B	25
26	2.26	0.740B	0.525E	0.185	0.188	0.079	0.059	0.099	0.415	0.237	0.446	0.419B	26
27	1.30	0.540B	0.430E	0.160	0.147	0.066	0.044	0.089	0.291	0.218	0.593	0.356B	27
28	2.53	0.480B	0.390E	0.138	0.117	0.050	0.032	3.90	0.242	0.228	1.03	0.312B	28
29	1.04		0.375E	0.118	0.101	0.062	0.030	4.06	0.189	0.244	0.842	7.91 B	29
30	0.663		0.440E	0.100	0.076	0.052	0.625	0.932	0.285	0.245	0.566	14.5	30
31	0.483		0.485E		0.060		1.14	0.430		0.216		2.96	31
TOTAL	43.500	45.326	28.317	13.277	8.955	1.552	9.505	18.262	15.270	28.224	38.770	46.024	TOTAL
MEAN	1.40	1.62	0.914	0.443	0.289	0.052	0.307	0.589	0.509	0.911	1.29	1.48	MEAN
MAX	10.3	12.0	3.48	1.25	1.24	0.280	3.95	4.06	4.86	4.16	15.6	14.5	MAX
MIN	0.255	0.230	0.173	0.100	0.040	0.009	0.015	0.023	0.058	0.216	0.161	0.312	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.814
MAXIMUM DAILY, 15.6 ON NOV 06
MINIMUM DAILY, 0.009 ON JUN 19
MAXIMUM INSTANTANEOUS,
34.7 AT 00:45 EST ON NOV 06

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 05 30 N
LONG 081 09 03 W
DRAINAGE AREA, 38.9 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 760	JUL	821
FEB	3 920	AUG	1 580
MAR	2 450	SEP	1 320
APR	1 150	OCT	2 440
MAY	774	NOV	3 350
JUN	1 94	DEC	3 980

TOTAL DISCHARGE, 25 700 dam³

WYE RIVER NEAR WYEVALE - STATION NO. 02ED013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.960B	1.44	1.04 B	1.44	0.673	0.475	0.928E	0.261E	0.202E	0.860E	0.502	1.96	1
2	0.840B	1.30 B	1.04	1.83	0.608	0.455	0.649E	0.177E	0.209E	0.776E	0.501	2.06	2
3	0.780B	1.19 B	1.04	4.02	0.554	0.439	0.484E	0.156E	0.202E	0.682E	0.784	1.69	3
4	0.930B	1.07 B	0.920B	3.62	0.537	0.343	0.435E	0.162E	0.221E	0.669E	0.875	1.68	4
5	1.52	1.01	0.810B	3.31	0.547	0.311	0.384E	0.169E	0.233E	0.893E	1.06	1.56	5
6	1.45	0.967	0.765B	2.23	0.514	0.304E	0.280E	0.186E	0.202E	0.683E	4.76	1.56	6
7	1.27	0.944	0.670B	1.78	0.506	0.317E	0.668E	0.182E	0.153E	0.539E	3.28	1.48	7
8	1.20	1.07	0.660B	1.53	0.614	0.284E	0.712E	0.197E	0.140E	0.506E	2.85	1.42	8
9	1.13	4.40 B	0.712	1.37	0.572	0.296E	0.767E	0.247E	0.131E	1.92 E	2.06	1.55	9
10	1.34	3.97	0.881	1.97	0.610	0.251E	0.526E	0.232E	0.164E	2.20 E	1.94	2.92	10
11	1.44	2.28	2.80	3.80	0.648	0.244E	0.400E	0.246E	0.165E	2.09 E	1.77	2.35	11
12	1.33	1.64	17.6 B	2.57	0.570	0.236E	0.357	0.292E	0.206E	1.63 E	1.60	1.75	12
13	0.964B	1.46	10.8 B	1.93	0.556	0.234E	0.292	0.510E	0.198E	1.75 E	1.36	2.08	13
14	0.825B	1.56	15.6	1.69	0.551	0.322E	0.272	0.646E	0.223E	1.36 E	1.26	1.87	14
15	0.825B	1.24 B	12.3	1.82	0.566	0.366E	0.314	0.431E	0.255E	1.04 E	1.42	1.48	15
16	0.876B	1.16 B	9.12	1.70	0.615	0.358E	0.385	0.369E	0.229E	0.891E	1.58	1.32	16
17	1.10 B	1.11	6.58	1.99	1.71	0.375E	0.310	0.345E	0.166E	0.826E	1.74	1.21	17
18	5.46 B	0.867B	4.90	1.79	2.93	0.433E	0.261	0.310E	0.171E	1.03 E	1.37	1.39	18
19	5.08 B	0.700B	3.75	1.44	1.65	0.476E	0.234E	0.298E	0.164E	1.25 E	1.17	1.79	19
20	2.96 B	0.670B	2.99	1.35	1.37	0.500E	0.264E	0.280E	0.150E	0.982E	1.05	1.37	20
21	2.04	0.660B	2.56	2.06	1.89	0.552E	0.245E	0.247E	0.155E	0.798E	0.969	1.29	21
22	1.64	1.00 B	2.44	1.80	1.34	0.532E	0.175E	0.220E	0.255E	0.683E	4.31	2.59	22
23	1.42	2.70	2.95	1.45	0.999	0.587E	0.170E	0.202E	0.419E	0.608E	4.76	3.26	23
24	1.39	2.00 B	2.39	1.22	0.845	0.817E	0.160E	0.183E	0.541E	0.547E	2.89	2.34B	24
25	1.57	1.24 B	1.98	1.10	0.767	0.766E	0.152E	0.167E	0.372E	0.533E	2.35	1.59B	25
26	2.91 B	1.17 B	1.82	1.02	0.698	0.646E	0.166E	0.165E	0.333E	0.518E	1.94	1.34B	26
27	2.36	1.12 B	1.57	0.922	0.640	0.597E	0.153E	0.198E	0.320E	0.509E	2.70	1.30B	27
28	2.30 B	1.08 B	1.41	0.819	0.600	0.537E	0.161E	0.221E	0.308E	0.553E	3.66	1.28B	28
29	2.20 B		1.31	0.767	0.544	0.664E	0.187E	0.225E	0.272E	0.591E	2.67	3.20	29
30	2.07		1.26	0.711	0.500	0.966E	0.265E	0.232E	0.545E	0.563	2.07	7.97	30
31	1.61		1.37		0.461		0.509E	0.203E		0.538		4.18B	31
TOTAL	53.783	41.018	124.038	55.049	26.185	13.685	11.265	7.959	7.326	28.118	61.451	64.53	TOTAL
MEAN	1.73	1.46	4.00	1.84	0.845	0.456	0.363	0.257	0.244	0.907	2.05	2.08	MEAN
MAX	5.46	4.40	18.8	4.02	2.93	0.966	0.928	0.646	0.545	2.20	4.76	7.97	MAX
MIN	0.783	0.660	0.660	0.711	0.461	0.234	0.152	0.156	0.133	0.506	0.501	1.21	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.35
MAXIMUM DAILY, 18.8B ON MAR 13
MINIMUM DAILY, 0.133E ON SEP 09
MAXIMUM INSTANTANEOUS,
19.7 AT 00:30 EST ON MAR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 38 58 N
LONG 079 54 18 W
DRAINAGE AREA, 118 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 650	JUL	973
FEB	3 540	AUG	688
MAR	10 700	SEP	633
APR	4 760	OCT	2 430
MAY	2 260	NOV	5 310
JUN	1 180	DEC	5 580

TOTAL DISCHARGE, 42 700 dam³

YORK RIVER NEAR BANCROFT - STATION NO. 02KD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	J'N	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.15B	11.3	8.18	22.2	32.4E	9.66	4.16	4.27	2.33	1.90	4.91	34.5	1
2	5.10B	13.0	8.28	22.5	30.3A	9.28	4.17	3.98	2.14	2.25	4.91	33.6	2
3	5.05B	12.6	8.11	27.3	19.8E	9.44	4.35	4.08	1.98	2.17	4.90	31.5	3
4	5.00B	12.3	7.92	37.2	10.2A	10.2	4.66	4.10	1.89	2.71	4.91	31.3	4
5	5.10B	12.0	7.75	43.0	10.6E	9.70	4.71	3.33	1.79	4.78	4.94	31.4	5
6	5.20B	12.1	7.52	42.5	13.3A	9.06	4.57	3.96	1.64	4.23	5.37	29.1	6
7	5.20B	12.6	7.37	41.0	13.8A	8.75	3.54	3.54	1.50	4.89	6.30	26.7	7
8	5.10B	12.2	7.09	38.2	13.9E	7.74	3.46	3.70	1.76	4.78	6.30	25.5	8
9	5.07B	11.1	6.92	30.0	14.2A	7.24	3.50	3.79	1.86	5.52	6.15	24.5	9
10	5.05B	11.9	7.26	18.3	15.7	7.64	3.15	1.58	1.67	5.91	6.07	22.2	10
11	5.03B	11.5	7.37	9.91	16.7	7.63	3.40	2.90	1.66	6.02	6.16	11.5	11
12	5.02B	10.7	11.7	12.1	16.3	7.36	3.45	3.41	1.13	9.41	6.40	9.35	12
13	5.01B	9.13	21.0	13.1	15.2	7.18	3.29	3.70	0.828	10.9	6.74	10.5	13
14	5.10B	9.34	25.5	14.1	14.9	6.51	3.27	3.02	1.07 A	10.5	6.63	10.8 E	14
15	5.30B	10.3	27.0	16.8	14.5	6.28	3.97	2.53	1.96	10.0	6.44	10.9 E	15
16	5.60B	10.4	31.3	27.0	14.0	5.98	4.99	2.58	1.12	9.82	6.49	10.9 B	16
17	6.00B	10.3	39.7	32.8	16.5	5.48	4.53	2.79	1.80	9.43	6.81	10.9 B	17
18	6.30B	9.97	44.9	36.0	26.2	5.05	4.37	2.69	1.03	9.58	7.18	11.1	18
19	6.70B	9.68	49.6	34.2	27.3	5.23	4.09	2.75	1.96	10.6	7.39	11.3	19
20	7.30B	9.40	56.8	33.1	25.6	4.64	5.42	2.60	2.48	10 6	7.88	11.0 B	20
21	8.10B	8.94	55.9	33.3 A	26.3	5.20	5.33	2.20	1.95	10.2	8.72	10.9 B	21
22	8.50B	7.92	54.6	33.6 E	26.7	4.41	4.85	2.40	1.37	10.3	10.3	12.0	22
23	9.00B	7.94	55.1	34.1 A	25.7	3.68	4.83	2.63	1.20	10.3	13.1	13.3	23
24	11.0 B	7.87	49.1	35.0 E	24.2	4.09	4.88	2.62	1.78	9.67	13.9	14.2	24
25	13.0 B	7.83	46.3	36.0 A	16.0	4.24	4.90	2.61	0.823	6.91	14.7	14.7	25
26	13.6	8.20	35.9	36.6 E	15.7	4.58	4.85	2.59	0.265	6.10	16.0	15.3 B	26
27	16.7	7.61	19.0	37.0 A	15.5	4.36	3.96	2.57	0.256	5.44	21.8	17.8 B	27
28	16.2	7.53	17.7	36.1 E	14.1	4.29	4.11	2.56	0.256	4.68	27.4	20.3	28
29	14.8		17.5	35.0 A	13.7	3.71	3.89	2.55	0.413	4.75	31.3	20.5	29
30	10.9		18.1	33.8 A	13.4	3.28	3.17	2.53	0.939	4.78	34.8	22.4	30
31	10.6		20.6		11.8		4.42	2.62		4.84		23.0 B	31
TOTAL	240.78	286.66	781.07	901.81	564.5	191.89	130.24	93.18	42.850	213.97	314.90	583.25	TOTAL
MEAN	7.77	10.2	25.2	30.1	18.2	6.40	4.20	3.01	1.43	6.90	10.5	18.8	MEAN
MAX	16.7	13.0	56.8	43.0	32.4	10.2	5.42	4.27	2.48	10.9	34.8	34.5	MAX
MIN	5.00	7.53	6.92	9.91	10.2	3.28	3.15	1.58	0.256	1.90	4.90	9.35	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.9
MAXIMUM DAILY, 56.8 ON MAR 20
MINIMUM DAILY, 0.256 ON SEP 27
MAXIMUM INSTANTANEOUS,
57.2 AT 17:04 EST ON MAR 20

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 03 08 N
LONG 077 50 42 W
DRAINAGE AREA, 837 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	20 800	JUL	11 300
FEB	24 800	AUG	8 050
MAR	67 500	SEP	3 700
APR	77 900	OCT	18 500
MAY	48 800	NOV	27 200
JUN	16 600	DEC	50 400

TOTAL DISCHARGE, 376 000 dam³

NAME	STATION NO.	PAGE
ABITIBI RIVER AT ABITIBI CANYON	04ME002	1
ABITIBI RIVER AT IROQUOIS FALLS	04MC001	1
ABITIBI RIVER AT ONAKAWANA	04ME003	2
ABITIBI RIVER AT OTTER RAPIDS	04ME004	2
ABITIBI RIVER AT TWIN FALLS	04MC002	3
ALBANY RIVER ABOVE NOTTIK ISLAND	04GD001	3
ALBANY RIVER NEAR HAT ISLAND	04HA001	4
ALDER CREEK NEAR NEW DUNDEE	02GA030	4
AMABLE DU FOND RIVER AT SAMUEL DE CHAMPLAIN PROVINCIAL PARK	02JE019	5
ANCASTER CREEK AT ANCASTER	02HB021	5
ASHEWEIG RIVER AT STRAIGHT LAKE	04DB001	6
ATIKOKAN RIVER AT ATIKOKAN	05PB018	6
ATTAWAPISKAT RIVER BELOW ATTAWAPISKAT LAKE	04PB001	7
ATTAWAPISKAT RIVER BELOW MUKETEI RIVER	04FC001	7
AUBINADONG RIVER ABOVE SESABIC CREEK	02CB003	8
AUSABLE RIVER NEAR EXETER	02FF009	8
AUSABLE RIVER NEAR SPRINGBANK	02FF002	9
AUX SABLES RIVER AT MASSEY	02CE002	9
AVON RIVER BELOW STRATFORD	02GD018	10
BASSWOOD RIVER NEAR WINTON	05PA012	10
BATCHAWANA RIVER NEAR BATCHAWANA	02BF001	11
BAY LAKE AT LATCHFORD	02JD013	11
BAYFIELD RIVER NEAR VARNA	02FF007	12
BEAR BROOK NEAR BOURGET	02LB008	12
BEAR CREEK BELOW BRIGDEN	02GG009	13
BEAR CREEK NEAR PETROLIA	02GG006	13
BEATTY SAUGEEN RIVER NEAR HOLSTEIN	02FC017	14
BEAVER CREEK NEAR MARMORA	02HK006	14
BEAVER RIVER NEAR CLARKSBURG	02FB009	15
BEAVERTON RIVER NEAR BEAVERTON	02EC011	15
BERENS RIVER ABOVE BERENS LAKE	05RC001	16
BERRY CREEK AT THE OUTLET OF BERRY LAKE	05PD026	16
BIG CARP RIVER NEAR SAULT STE. MARIE	02BF004	17
BIG CREEK NEAR DELHI	02GC006	17
BIG CREEK NEAR WALSINGHAM	02GC007	18
BIG OTTER CREEK ABOVE OTTERVILLE	02GC017	18
BIG OTTER CREEK AT TILLSONBURG	02GC010	19
BIG OTTER CREEK NEAR CALTON	02GC026	19
BIGHEAD RIVER NEAR MEAFORD	02FB010	20
BLACK ASH CREEK AT COLLINGWOOD	02ED025	20
BLACK CREEK BELOW ACTON	02HB024	21
BLACK CREEK NEAR WESTON	02HC027	21
BLACK RIVER AT BALDWIN	02EC008	22
BLACK RIVER NEAR ACTINOLITE	02HL003	22
BLACK RIVER NEAR MARATHON	02BB002	23
BLACK RIVER NEAR WASHAGO	02EC002	23
BLACK STURGEON RIVER AT HIGHWAY NO. 17	02AC002	24
BLACKWATER RIVER AT BEARMORE	02AD010	24
BLANCHE RIVER ABOVE ENGLEHART	02JC008	25
BLOOMFIELD CREEK AT BLOOMFIELD	02HE001	25
BLUE JAY CREEK NEAR TEHKUMMAH	02CG003	26
BLUE SPRINGS CREEK NEAR EDEN MILLS	02GA031	26
BLYTH BROOK BELOW BLYTH	02FE014	27
BOB CREEK NEAR MINDEN	02HF004	27
BONNECHERE RIVER NEAR CASTLEFORD	02KC009	28
BOWMANVILLE CREEK AT BOWMANVILLE	02HD006	28
BRIGHTSAND RIVER AT MOBERLEY	04GB005	29
BRONTE CREEK AT CARLISLE	02HB022	29
BUELLS CREEK AT BROCKVILLE	02MB010	30
BURNLEY CREEK ABOVE WARKWORTH	02HK009	30
BURNT RIVER NEAR BURNT RIVER	02HF003	31
CANAGAGIGUE CREEK NEAR ELMIRA	02GA023	31
CANARD RIVER NEAR LUKERVILLE	02GH003	32
CARP RIVER NEAR KINBURN	02KF011	32
CARRICK CREEK NEAR CARLSRUHE	02FC011	33
CASTOR RIVER AT RUSSELL	02LB006	33
CAT RIVER BELOW WESLEYAN LAKE	04GA002	34
CATARAQUI RIVER AT CHAFFEYS LOCKS	02MA002	34
CATFISH CREEK AT AYLMER	02GC030	35
CATFISH CREEK NEAR SPARTA	02GC018	35
CEDAR CREEK AT WOODSTOCK	02GD011	36
CEDAR CREEK NEAR HEMLO	02BB004	36
CEDAR RIVER BELOW WABASKANG LAKE	05QE008	37
CHIPPEWA CREEK AT NORTH BAY	02DD014	37
CHUKUNI RIVER NEAR EAR FALLS	05QC001	38
CLYDE RIVER AT GORDON RAPIDS	02KF013	38
CLYDE RIVER NEAR LANARK	02KF010	39
COLD CREEK AT ORLAND	02HK007	39
COLD CREEK NEAR BOLTON	02HC023	40
COLDWATER RIVER AT COLDWATER	02ED007	40
COLLINS CREEK NEAR KINGSTON	02HM005	41
COMMANDA CREEK NEAR COMMANDA	02DD015	41
CONESTOGO RIVER ABOVE DRAYTON	02GA039	42
CONESTOGO RIVER AT GLEN ALLAN	02GA028	42
CONISTON CREEK ABOVE WANAPITEI RIVER	02DB007	43
CONSECON CREEK AT ALLISONVILLE	02HE002	43
COPELAND CREEK NEAR PENETAGUISHENE	02ED019	44
CREDIT RIVER ALTON BRANCH ABOVE ALTON	02HB019	44
CREDIT RIVER AT BOSTON MILLS	02HB018	45
CREDIT RIVER AT ERINDALE	02HB002	45
CREDIT RIVER AT NORVAL	02HB025	46
CREDIT RIVER ERIN BRANCH ABOVE ERIN	02HB020	46
CREDIT RIVER NEAR CATARACT	02HB001	47
CREDIT RIVER NEAR ORANGEVILLE	02HB013	47
CREDIT RIVER WEST BRANCH AT NORVAL	02HB008	48
CROWE RIVER AT MARMORA	02HK003	48
CROWE RIVER NEAR GLEN ALDA	02HK005	49
CURRENT RIVER AT STEPSTONE	02AB021	49
DODD CREEK BELOW PAYNES MILLS	02GC031	50
DEPOT CREEK AT BELLROCK	02HM002	50
DETROIT RIVER AT AMHERSTBURG	02GH008	51
DETROIT RIVER AT LA SALLE	02GH007	51
DINGMAN CREEK BELOW LAMBETH	02GE005	52
DON RIVER AT TODMORDEN	02HC024	52
DON RIVER AT YORK MILLS	02HC005	53
DUFFINS CREEK ABOVE PICKERING	02HC019	53
DUFFINS CREEK AT AJAX	02HC049	54
EAGLE RIVER AT EAGLE RIVER	05QD003	54
EAST BRANCH SCOTCH RIVER NEAR ST. ISIDORE DE PRESCOTT	02LB012	55
EAST HUMBER RIVER AT KING CREEK	02HC032	55
EAST HUMBER RIVER NEAR PINE GROVE	02HC009	56
EAST OAKVILLE CREEK NEAR OMAGH	02HB004	56
EAST RIVER NEAR HUNTSVILLE	02EB013	57
EELS CREEK BELOW APSLEY	02HH001	57
EKWAN RIVER BELOW NORTH WASHAGAMI RIVER	04EA001	58
ENGLISH RIVER AT CARIBOU FALLS	05QE005	58

NAME	STATION NO.	PAGE
ENGLISH RIVER AT EAR FALLS	05QE006	59
ENGLISH RIVER AT MANITOU FALLS	05QE007	59
ENGLISH RIVER AT UMFREVILLE	05QA002	60
ERAMOSA RIVER ABOVE GUELPH	02GA029	60
ETOBICOKE CREEK AT BRAMPTON	02HC017	61
ETOBICOKE CREEK BELOW QUEEN ELIZABETH HIGHWAY	02HC030	61
EYE RIVER NEAR COULSON LAKE NORTH OF ATIKOKAN	05PB022	62
EYE RIVER NEAR HARDTACK LAKE NORTH OF ATIKOKAN	05PB021	62
FAIRCHILD CREEK NEAR BRANTFORD	02GB007	63
FALL RIVER NEAR FALLBROOK	02KF014	63
FAREWELL CREEK AT OSHAWA	02HD014	64
FAWN RIVER BELOW BIG TROUT LAKE	04CE002	64
FIFTH CONCESSION DRAIN NEAR ESSEX (TEST)	02GH013	65
FISH CREEK NEAR PROSPECT HILL	02GD010	65
FREDERICK HOUSE RIVER AT FREDERICK HOUSE LAKE DAM	04MD002	66
FREDERICK HOUSE RIVER AT NIGHTHAWK LAKE	04MD003	66
FRENCH LAKE NEAR ATIKOKAN	05PA010	67
FRENCH RIVER AT CHAUDIERE DAM	02DD017	67
FRENCH RIVER AT DRY PINE BAY	02DD010	68
FRENCH RIVER AT LAKE NIPISSING	02DD007	68
FRENCH RIVER AT PORTAGE DAM	02DD016	69
GANARASKA RIVER ABOVE DALE	02HD012	69
GANARASKA RIVER NEAR OSACA	02HD003	70
GORING DRAIN AT CONCESSION #13 (PITTOCK TEST)	02GD025	70
GOULAIS RIVER NEAR SEARCHMONT	02BF002	71
GRAHAM CREEK AT NEPEAN	02KF015	71
GRAND RIVER AT BRANTFORD	02GB001	72
GRAND RIVER AT GALT	02GA003	72
GRAND RIVER AT WEST MONTROSE	02GA034	73
GRAND RIVER BELOW SHAND DAM	02GA016	73
GRAND RIVER NEAR DUNDALK	02GA041	74
GRAND RIVER NEAR MARSVILLE	02GA014	74
GRASSY NARROWS LAKE AT GRASSY NARROWS	05QE015	75
GRAVEL RIVER NEAR CAVERS	02KE001	75
GREENWATER CREEK AT OUTLET OF GREENWATER LAKE	02AB012	76
GRINDSTONE CREEK NEAR ALDERSHOT	02HB012	76
GROUNDHOG RIVER AT FAUQUIER	04LD001	77
GULL RIVER AT NORLAND	02HF002	77
HALFWAY CREEK AT MOOSONEE	04KA002	78
HARMONY CREEK AT OSHAWA	02HD013	78
HIGHLAND CREEK NEAR WEST HILL	02HC013	79
HOG CREEK NEAR VICTORIA HARBOUR	02ED017	79
HOLLAND RIVER AT HOLLAND LANDING	02EC009	80
HOLTBY DRAIN AT CONCESSION #7 (KETTLE CONTROL)	02GC032	80
HORNER CREEK NEAR PRINCETON	02GB006	81
HUMBER RIVER AT ELDER MILLS	02HC025	81
HUMBER RIVER AT WESTON	02HC003	82
HUMBER RIVER NEAR PALGRAVE	02HC047	82
INDIAN RIVER NEAR BLAKENEY	02KF012	83
JACKSON CREEK AT PETERBOROUGH	02HJ001	83
JOCK RIVER NEAR RICHMOND	02LA007	84
JUNCTION CREEK AT SUDBURY	02CF005	84
JUNCTION CREEK BELOW KELLEY LAKE	02CF012	85
KAMINISTIQUIA RIVER AT KAKABEKA FALLS POWERHOUSE	02AB010	85
KAMINISTIQUIA RIVER AT KAMINISTIQUIA	02AB006	86
KAMINISTIQUIA RIVER AT OUTLET OF DOG LAKE	02AB004	86
KAPUSKASING RIVER AT KAPUSKASING	04LF001	87
KASHABOWIE RIVER AT OUTLET OF KASHABOWIE LAKE	02AB013	87
KAWINOGANS RIVER NEAR PICKLE CROW	04FA002	88
KEMPTVILLE CREEK NEAR KEMPTVILLE	02LA006	88
KENNY CREEK NEAR BURFORD	02GB009	89
KENOGAMI RIVER AT KENOGAMI DAM	04JD002	89
KENOGAMI RIVER NEAR MAMMAMATTAWA	04JG001	90
KETTLE CREEK ABOVE ST. THOMAS	02GC029	90
KETTLE CREEK AT ST. THOMAS	02GC002	91
KWATABOAHEGAN RIVER NEAR THE MOUTH	04KA001	91
LA VASE RIVER AT NORTH BAY	02DD013	92
LAC LA CROIX AT CAMPBELL'S CAMP	05PA011	92
LAC SEUL AT GOLDPINES	05QB003	93
LAC SEUL AT HUDSON	05QB002	93
LAC SEUL AT LAC SEUL	05QB001	94
LADY EVELYN RIVER AT LADY EVELYN LAKE	02JD011	94
LAKE 114 INFLOW NEAR KENORA	05PD032	95
LAKE 114 NEAR KENORA	05PD027	95
LAKE 114 OUTLET NEAR KENORA	05PD014	96
LAKE 223 NEAR KENORA	05QD021	96
LAKE 223 OUTLET NEAR KENORA	05QD017	97
LAKE 224 OUTLET NEAR KENORA	05QD018	97
LAKE 225 OUTLET NEAR KENORA	05QD019	98
LAKE 226 OUTLET NEAR KENORA	05QD015	98
LAKE 227 NEAR KENORA	05QD009	99
LAKE 227 OUTLET NEAR KENORA	05QD008	99
LAKE 239 NEAR KENORA	05PD021	100
LAKE 239 NORTHEAST INLET NEAR KENORA	05PD031	100
LAKE 239 OUTLET NEAR KENORA	05PD023	101
LAKE 239, LOWER EAST INLET, NEAR KENORA	05PD024	101
LAKE 240 OUTLET NEAR KENORA	05PD015	102
LAKE 302 NEAR KENORA	05QD022	102
LAKE 302 OUTLET NEAR KENORA	05QD023	103
LAKE 302 UPLAND WATERSHED NEAR KENORA	05QD024	103
LAKE 303 NEAR KENORA	05PD020	104
LAKE 303 OUTLET NEAR KENORA	05PD019	104
LAKE 304 NEAR KENORA	05PD018	105
LAKE 373 OUTFLOW NEAR KENORA	05QD026	105
LAKE 382 OUTFLOW	05QD025	106
LAKE 470 OUTLET NEAR KENORA	05PD017	106
LAKE 661 OUTLET NEAR KENORA	05PD028	107
LAKE COUCHICHING OUTFLOW AT WASHAGO	02EC017	107
LAKE ERIE AT BAR POINT	02GH009	108
LAKE ERIE AT ERIEAU	02GF002	108
LAKE ERIE AT KINGSVILLE	02GH010	109
LAKE ERIE AT PORT COLBORNE	02HA017	109
LAKE ERIE AT PORT DOVER	02GC028	110
LAKE ERIE AT PORT STANLEY	02GC027	110
LAKE HURON AT COLLINGWOOD	02ED012	111
LAKE HURON AT GODERICH	02FE012	111
LAKE HURON AT LITTLE CURRENT	02CG002	112
LAKE HURON AT PARRY SOUND	02EA014	112
LAKE HURON AT THESSALON	02CA006	113
LAKE HURON AT TOBERMORY	02FA003	113
LAKE NIPIGON AT MACDIARMID	02AD007	114
LAKE NIPISSING AT FRENCH RIVER OUTLET	02DD021	114
LAKE NIPISSING AT NORTH BAY	02DD006	115

NAME	STATION NO.	PAGE
LAKE OF THE WOODS AT CLEARWATER BAY	05PD011	115
LAKE OF THE WOODS AT CYCLONE ISLAND	05PD029	116
LAKE OF THE WOODS AT HANSON BAY	05PD008	116
LAKE OF THE WOODS AT KEEWATIN	05PE014	117
LAKE OF THE WOODS AT WARROAD	05PD001	117
LAKE OF THE WOODS EASTERN OUTLET AT KENORA POWERHOUSE	05PE006	118
LAKE OF THE WOODS OUTLET AT MINK CREEK	05PE005	118
LAKE OF THE WOODS WESTERN OUTLET AT NORMAN DAM AND POWERHOUSE	05PE011	119
LAKE ONTARIO AT BURLINGTON	02HB017	119
LAKE ONTARIO AT COBOURG	02HD015	120
LAKE ONTARIO AT KINGSTON	02HM008	120
LAKE ONTARIO AT PORT WELLER	02HA018	121
LAKE ONTARIO AT TORONTO	02HC048	121
LAKE SIMCOE NEAR GAMEBRIDGE	02EC015	122
LAKE ST. CLAIR AT BELLE RIVER	02GH005	122
LAKE ST. CLAIR AT TECUMSEH	02GH006	123
LAKE ST. JOSEPH ABOVE RAT RAPIDS DAM	04GA004	123
LAKE ST. JOSEPH DIVERSION ABOVE CONTROL DAM	05QB005	124
LAKE ST. JOSEPH DIVERSION AT ROOT PORTAGE	05QB006	124
LAKE ST. JOSEPH OUTFLOW TO ALBANY RIVER	04GA001	125
LAKE SUPERIOR AT GROS CAP	02BF010	125
LAKE SUPERIOR AT MICHIPICOTEN HARBOUR	02BD004	126
LAKE SUPERIOR AT ROSSPORT	02BA004	126
LAKE SUPERIOR AT THUNDER BAY	02AB018	127
LAKE TIMISKAMING AT HAILEYBURY	02JE011	127
LARDER RIVER ABOVE RAVEN LAKE	02JC010	128
LAUREL CREEK AT WATERLOO	02GA024	128
LITTLE CURRENT RIVER AT PERCY LAKE	04JF001	129
LITTLE DON RIVER AT DON MILLS	02HC029	129
LITTLE FRENCH RIVER AT OKIKENDAWT ISLAND	02DD020	130
LITTLE MAITLAND RIVER AT BLUEVALE	02FE007	130
LITTLE OTTER CREEK NEAR STRAFFORDVILLE	02GC015	131
LITTLE PIC RIVER NEAR COLDWELL	02BA003	131
LITTLE RIVER AT WINDSOR	02GH011	132
LITTLE ROUGE CREEK NEAR LOCUST HILL	02HC028	132
LITTLE WHITE RIVER BELOW BOLAND RIVER	02CC010	133
LITTLE WHITE RIVER NEAR BELLINGHAM	02CC005	133
LONG LAKE AT LONGLAC	04JD001	134
LONG LAKE DIVERSION TO LAKE SUPERIOR	04JD003	134
LONG-LEGGED RIVER BELOW LONG-LEGGED LAKE	05QE012	135
LUCKNOW RIVER AT LUCKNOW	02FD002	135
LUTTERAL CREEK NEAR OUSTIC	02GA033	136
LYN CREEK NEAR LYN	02MB006	136
LYNDE CREEK NEAR WHITBY	02HC018	137
LYNN RIVER AT SIMCOE	02GC008	137
MAD RIVER BELOW AVENING	02ED015	138
MADAWASKA RIVER AT BARK LAKE DAM	02KD007	138
MADAWASKA RIVER AT PALMER RAPIDS	02KD004	139
MADAWASKA RIVER AT STEWARTVILLE	02KE005	139
MADTER DRAIN AT CONCESSION #7 (KETTLE TEST)	02GC033	140
MAGNETAWAN RIVER NEAR BRITT	02EA011	140
MAGNETAWAN RIVER NEAR BURK'S FALLS	02EA006	141
MAGPIE RIVER AT ESNAGI LAKE	02BD005	141
MAGPIE RIVER NEAR MICHIPICOTEN	02BD003	142
MAITLAND RIVER ABOVE WINGHAM	02FE005	142
MAITLAND RIVER AT BENMILLER	02FE015	143
MAITLAND RIVER BELOW WINGHAM	02FE002	143
MAITLAND RIVER NEAR HARRISTON	02FE011	144
MARIPOSA BROOK NEAR LITTLE BRITAIN	02HG001	144
MATABITCHUAN RIVER AT RABBIT LAKE DAM	02JE021	145
MATCHEDASH BAY ABOVE HWY 69	02ED021	145
MATCHEDASH BAY BELOW HWY 69	02ED020	146
MATTAGAMI RIVER AT LITTLE LONG RAPIDS	04LG003	146
MATTAGAMI RIVER AT SMOOTH ROCK FALLS	04LB001	147
MATTAGAMI RIVER NEAR TIMMINS	04LA002	147
MATTAWA RIVER BELOW BOUILLON LAKE	02JE020	148
MATTAWISHKWIA RIVER AT HEARST	04LK001	148
MCGREGOR CREEK NEAR CHATHAM	02GE007	149
MCINTYRE RIVER ABOVE THUNDER BAY	02AB020	149
MCKENZIE CREEK NEAR CALEDONIA	02GB010	150
MCVICAR CREEK AT THUNDER BAY	02AB019	150
MEDWAY RIVER AT LONDON	02GD008	151
MICHIPICOTEN RIVER AT HIGH FALLS	02BD002	151
MIDDLE MAITLAND RIVER ABOVE ETHEL	02FE013	152
MIDDLE MAITLAND RIVER NEAR BELGRAVE	02FE008	152
MIDDLE MAITLAND RIVER NEAR LISTOWEL	02FE003	153
MIDDLE SEVERN RIVER AT WASHAGO	02EC013	153
MIDDLE THAMES RIVER AT THAMESFORD	02GD004	154
MILLHAVEN CREEK NEAR MILLHAVEN	02HM006	154
MIMICO CREEK AT ISLINGTON	02HC033	155
MISSINAIBI RIVER AT MATTICE	04LJ001	155
MISSINAIBI RIVER BELOW WABOOSE RIVER	04LM001	156
MISSISSAGI RIVER AT MISSISSAGI CHUTE	02CC008	156
MISSISSAGI RIVER AT RAYNER GENERATING STATION	02CC007	157
MISSISSAGI RIVER AT RED ROCK FALLS	02CC009	157
MISSISSAGI RIVER AT ROCKY ISLAND LAKE	02CB002	158
MISSISSAGI RIVER BELOW AUBREY FALLS	02CB001	158
MISSISSAGUA RIVER BELOW MISSISSAGUA LAKE	02HH002	159
MISSISSIPPI RIVER AT APPLETON	02KF006	159
MISSISSIPPI RIVER AT FERGUSONS FALLS	02KF001	160
MISSISSIPPI RIVER BELOW MARBLE LAKE	02KF016	160
MOIRA RIVER NEAR DELORO	02HL005	161
MOIRA RIVER NEAR FOXBORO	02HL001	161
MOJIKIT LAKE RESERVOIR AT MOJIKIT LAKE	04GB003	162
MONTREAL RIVER AT LOWER NOTCH GENERATING STATION	02JD010	162
MONTREAL RIVER AT MOUNTAIN CHUTES	02JD009	163
MONTREAL RIVER NEAR MONTREAL RIVER HARBOUR	02BE002	163
MOON RIVER AT HIGHWAY NO. 69	02EB011	164
MOOREFIELD CREEK NEAR ROTHSAY	02GA042	164
MOOSE CREEK AT LEVACK	02CF013	165
MOOSE RIVER ABOVE MOOSE RIVER	04LG004	165
MUSKOKA RIVER AT HIGHWAY NO. 69	02EB012	166
MUSKOKA RIVER BELOW BALA	02EB006	166
MUSWABIK RIVER AT OUTLET OF MUSWABIK LAKE	04GF001	167
NAGAGAMI RIVER AT HIGHWAY NO. 11	04JC002	167
NAMAKAN LAKE ABOVE KETTLE FALLS DAM	05PA003	168
NAMAKAN RIVER AT OUTLET OF LAC LA CROIX	05PA006	168
NANTICOKE CREEK AT NANTICOKE	02GC022	169
NAPANEE RIVER AT CAMDEN EAST	02HM007	169
NEEBING RIVER NEAR THUNDER BAY	02AB008	170
NIAGARA RIVER AT QUEENSTON	02HA003	170
NIPIGON RIVER AT PINE PORTAGE	02AD008	171
NISSOURI CREEK NEAR EMBRO	02GD022	171
NITH RIVER ABOVE NITHBURG	02GA038	172
NITH RIVER NEAR CANNING	02GA010	172
NOLIN CREEK AT SUDBURY	02CF009	173
NORBERG CREEK (SITE A) ABOVE BATCHAWANA RIVER	02BF005	173
NORBERG CREEK (SITE B) AT OUTLET OF TURKEY LAKE	02BF006	174

NAME	STATION NO.	PAGE
NORBERG CREEK (SITE C) AT OUTLET OF LITTLE TURKEY LAKE	02BF007	174
NORBERG CREEK (SITE D) BELOW WISHART LAKE	02BF008	175
NORBERG CREEK (SITE E) BELOW BATCHAWANA LAKE	02BF009	175
NORBERG CREEK (SITE F) AT OUTLET OF BATCHAWANA LAKE	02BF012	176
NORTH BRANCH MUSKOKA RIVER AT PORT SYDNEY	02EB004	176
NORTH BRANCH SOUTH NATION RIVER NEAR HECKSTON	02LB017	177
NORTH CURRENT RIVER NEAR THUNDER BAY	02AB014	177
NORTH FRENCH RIVER NEAR THE MOUTH	04MF001	178
NORTH MAGNETAWAN RIVER ABOVE PICKEREL LAKE	02EA010	178
NORTH MAGNETAWAN RIVER NEAR BURK'S FALLS	02EA005	179
NORTH RIVER AT THE FALLS	02ED024	179
NORTH RIVER NEAR COLDWATER	02ED022	180
NORTH RIVER NEAR LOVERING	02ED023	180
NORTH SAUGEEN RIVER ABOVE CHESLEY	02FC018	181
NORTH THAMES RIVER AT ST. MARYS	02GD005	181
NORTH THAMES RIVER BELOW FANSHAWE DAM	02GD003	182
NORTH THAMES RIVER NEAR MITCHELL	02GD014	182
NORTH THAMES RIVER NEAR THORNDALE	02GD015	183
NORTH WEST GANARASKA RIVER NEAR OSACA	02HD004	183
NORTHWEST TRIBUTARY TO LAKE 239 NEAR KENORA	05PD022	184
NOTTAWASAGA RIVER AT HOCKLEY	02ED026	184
NOTTAWASAGA RIVER NEAR BAXTER	02ED003	185
OAKVILLE CREEK AT MILTON	02HB005	185
OGOKI RIVER ABOVE WHITECLAY LAKE	04GB004	186
OGOKI RIVER AT WABOOSE FALLS DAM	04GB001	186
OGOKI RIVER DIVERSION TO LAKE NIPIGON	02AD009	187
ONAPING RIVER NEAR LEVACK	02CF010	187
OSHAWA CREEK AT OSHAWA	02HD008	188
OSWEGO CREEK AT CANBORO	02HA024	188
OTOSKWIN RIVER BELOW BADESDAWA LAKE	04FA001	189
OTTAWA RIVER AT BRITANNIA	02KF005	189
OTTAWA RIVER AT CHATS FALLS	02KF009	190
OTTAWA RIVER AT CUMBERLAND	02LB010	191
OTTAWA RIVER AT DES JOACHIMS	02KA002	191
OTTAWA RIVER AT LA CAVE RAPIDS	02JE016	192
OTTAWA RIVER AT MATTAWA	02JE013	192
OTTAWA RIVER AT PEMBROKE	02KC013	193
OTTAWA RIVER AT SANDPOINT	02KC016	193
OTTEAU RIVER BELOW TEMISCAMING	02JE024	194
OTTAWA RIVER NEAR WESTMEATH	02KC005	194
OUSE RIVER NEAR WESTWOOD	02HJ003	195
OXTONGUE RIVER NEAR DWIGHT	02EB014	195
PAGWACHUAN RIVER AT HIGHWAY NO. 11	04JD005	196
PARKHILL CREEK ABOVE PARKHILL RESERVOIR	02FC038	196
PARKS CREEK NEAR LATTA	02HL006	197
PATTERSON CREEK NEAR SIMCOE	02GC012	197
PAYNE RIVER NEAR BERWICK	02LB022	198
PEFFERLAW BROOK NEAR UDORA	02EC018	198
PERCH LAKE OUTLET NEAR CHALK RIVER	02KA003	199
PETAWAWA RIVER NEAR PETAWAWA	02KB001	199
PIC RIVER NEAR MARATHON	02BB003	200
PIGEON RIVER AT MIDDLE FALLS	02AA001	200
PINE RIVER AT LURGAN	02FD001	201
PINE RIVER NEAR EVERETT	02ED014	201
PINEIMUTA RIVER AT EYES LAKE	04FA003	202
PINEWOOD RIVER NEAR PINEWOOD	05PC011	202
PIPESTONE RIVER ABOVE RAINY LAKE	05PB015	203
PIPESTONE RIVER AT KARL LAKE	04DA001	203
PORCUPINE RIVER AT HOYLE	04MD004	204
RAINY LAKE NEAR BEAR PASS	05PB024	204
RAINY LAKE NEAR FORT FRANCES	05PB007	205
RAINY RIVER AT FORT FRANCES	05PC019	205
RAINY RIVER AT MANITOU RAPIDS	05PC018	206
RAISIN RIVER AT BLACK RIVER	02MC027	206
RAISIN RIVER NEAR WILLIAMSTOWN	02MC001	207
RAWDON CREEK NEAR WEST HUNTINGDON	02HK008	207
REDHILL CREEK AT ALBION FALLS	02HA023	208
REDHILL CREEK AT HAMILTON	02HA014	208
REESOR CREEK ABOVE GREEN RIVER	02HC039	209
RIDEAU RIVER ABOVE SMITHS FALLS	02LA005	209
RIDEAU RIVER AT OTTAWA	02LA004	210
RIDEAU RIVER BELOW MANOTICK	02LA012	210
RIDEAU RIVER BELOW MERRICKVILLE	02LA011	211
RIVIERE BEAUDETTE NEAR GLEN NEVIS	02MC026	211
RIVIERE DELISLE NEAR ALEXANDRIA	02MC028	212
ROOT RIVER AT SAULT STE. MARIE	02CA002	212
ROSEBERRY RIVER ABOVE ROSEBERRY LAKES	04CA003	213
ROUGE RIVER NEAR MARKHAM	02HC022	213
RUSCOM RIVER NEAR RUSCOM STATION	02GH002	214
SACHIGO RIVER BELOW OUTLET OF SACHIGO LAKE	04CD002	214
SALMON RIVER NEAR SHANNONVILLE	02HM003	215
SALVESEN LAKE NEAR OUTLET	05QE011	215
SANDUSK CREEK NEAR HAGERSVILLE	02GC034	216
SANDUSK CREEK NEAR SELKIRK	02GC035	216
SAUBLE RIVER ABOVE TARA	02FA005	217
SAUBLE RIVER AT ALLENFORD	02FA004	217
SAUBLE RIVER AT SAUBLE FALLS	02FA001	218
SAUGEEN RIVER ABOVE DURHAM	02FC016	218
SAUGEEN RIVER NEAR PORT ELGIN	02FC001	219
SAUGEEN RIVER NEAR WALKERTON	02FC002	219
SCHNEIDER CREEK AT KITCHENER	02GA037	220
SCHOMBERG RIVER NEAR SCHOMBERG	02EC010	220
SECOND CONCESSION DRAIN NEAR ESSEX (CONTROL)	02GH014	221
SEINE RIVER AT STURGEON FALLS GENERATING STATION	05PB009	221
SERPENT RIVER ABOVE QUIRKE LAKE	02CD006	222
SERPENT RIVER AT HIGHWAY NO. 17	02CD001	222
SERPENT RIVER AT OUTLET OF DUNLOP LAKE	02CD002	223
SERPENT RIVER BELOW PECORS LAKE	02CD004	223
SERPENT RIVER BELOW QUIRKE LAKE	02CD003	224
SEVERN RIVER AT BIG FALLS	02EC006	224
SEVERN RIVER AT LIMESTONE RAPIDS	04CC001	225
SEVERN RIVER AT LITTLE FALLS	02EC007	225
SEVERN RIVER AT OUTLET OF MUSKRAT DAM LAKE	04CA002	226
SEVERN RIVER AT SWIFT RAPIDS	02EC003	226
SEVERN RIVER AT WASHAGO	02EC005	227
SEVERN RIVER BELOW WASHAGO	02EC004	227
SHAMATTAWA RIVER AT OUTLET OF SHAMATTAWA LAKE	04DC002	228
SHEBANDOWAN RIVER AT OUTLET OF SHEBANDOWAN LAKE	02AB011	228
SHEBANDOWAN RIVER AT SUNSHINE	02AB009	229
SHELTER VALLEY BROOK NEAR GRAFTON	02HD010	229
SKOOTAMATTA RIVER NEAR ACTINOLITE	02HL004	230
SOUTH BRANCH MUSKOKA RIVER AT BAYSVILLE	02EB008	230
SOUTH CASTOR RIVER AT KENMORE	02LB020	231
SOUTH MAITLAND RIVER AT SUMMERHILL	02FE009	231
SOUTH NATION RIVER AT CASSELMAN	02LB013	232
SOUTH NATION RIVER AT CHESTERVILLE	02LB009	232

NAME	STATION NO.	PAGE
SOUTH NATION RIVER AT SPENCERVILLE	02LB007	233
SOUTH NATION RIVER NEAR PLANTAGENET SPRINGS	02LB005	233
SOUTH PARKHILL CREEK NEAR PARKHILL	02FF004	234
SOUTH RAISIN RIVER DIVERSION AT LONG SAULT	02MC009	234
SOUTH RAISIN RIVER NEAR CORNWALL	02MC030	235
SOUTH RIVER AT SOUTH RIVER	02DD009	235
SOUTH SAUGEEN RIVER NEAR HANOVER	02FC012	236
SPANISH RIVER AT ESPANOLA	02CE001	236
SPANISH RIVER AT HIGH FALLS	02CE004	237
SPEED RIVER BELOW GUELPH	02GA015	237
SPEED RIVER NEAR ARMSTRONG MILLS	02GA040	238
SPENCER CREEK AT DUNDAS	02HB007	238
SPENCER CREEK AT HIGHWAY NO. 5	02HB023	239
SPENCER CREEK NEAR WESTOVER	02HB015	239
ST. CLAIR RIVER AT POINT EDWARD	02GG010	240
ST. CLAIR RIVER AT PORT LAMBTON	02GG011	240
ST. LAWRENCE RIVER AT BROCKVILLE	02MB007	241
ST. LAWRENCE RIVER AT CORNWALL	02MC002	241
ST. LAWRENCE RIVER AT IROQUOIS ISLAND (ABOVE)	02MB008	242
ST. LAWRENCE RIVER AT IROQUOIS ISLAND (BELOW)	02MB009	242
ST. LAWRENCE RIVER AT SUMMERSTOWN	02MC023	243
ST. LAWRENCE RIVER BELOW CORNWALL CANAL	02MC022	243
ST. MARYS RIVER AT SAULT STE. MARIE	02CA001	244
ST. MARYS RIVER AT SAULT STE. MARIE (ABOVE)	02BF011	244
ST. MARYS RIVER AT SAULT STE. MARIE (BELOW)	02CA005	245
ST. MARYS RIVER NEAR GARDEN RIVER	02CA003	245
STEEL RIVER NEAR TERRACE BAY	02BA002	246
STOKES RIVER NEAR FERNDALE	02FA002	246
STONEY CREEK AT STONEY CREEK	02HA022	247
STURGEON CREEK NEAR LEAMINGTON	02GH001	247
STURGEON RIVER AT CRYSTAL FALLS	02DC003	248
STURGEON RIVER AT MCDOUGALL MILLS	05QA004	248
STURGEON RIVER AT OUTLET OF SALVESEN LAKE	05QE009	249
STURGEON RIVER AT STURGEON BAY	02ED018	24
STURGEON RIVER AT UPPER GOOSE FALLS	02DC012	25
STURGEON RIVER NEAR GLEN AFTON	02DC004	250
SYDENHAM RIVER AT FLORENCE	02GG003	251
SYDENHAM RIVER AT STRATHROY	02GG005	251
SYDENHAM RIVER AT WALLACEBURG	02GG008	252
SYDENHAM RIVER NEAR ALVINSTON	02GG002	252
SYDENHAM RIVER NEAR OWEN SOUND	02FB007	253
TAY RIVER BELOW BOBS LAKE	02LA017	253
TEESWATER RIVER NEAR PAISLEY	02FC015	254
TEMAGAMI LAKE AT TEMAGAMI	02DC010	254
TEMAGAMI RIVER AT CROSS LAKE DAM	02DC007	255
TEMAGAMI RIVER AT RED CEDAR LAKE DAM	02DC008	255
THAMES RIVER AT BYRON	02GE002	256
THAMES RIVER AT CHATHAM	02GE004	256
THAMES RIVER AT INGERSOLL	02GD016	257
THAMES RIVER AT INNERKIP	02GD021	257
THAMES RIVER AT THAMESVILLE	02GE003	258
THAMES RIVER AT WOODSTOCK	02GD012	258
THAMES RIVER NEAR DUTTON	02GE006	259
THAMES RIVER NEAR EALING	02GD001	259
THAMES RIVER NEAR TAVISTOCK	02GD023	260
TRENT CANAL LOCK 42 NEAR WASHAGO	02EC016	260
TRENT RIVER AT GLEN ROSS	02HK004	261
TRENT RIVER AT HEALEY FALLS	02HK002	261
TRIBUTARY TO NORBERG CREEK AT TURKEY LAKE	02BF013	262
TRIBUTARY TO WYE RIVER BELOW ELMVALE	02ED016	262
TROUT CREEK NEAR FAIRVIEW	02GD019	263
TROUT CREEK NEAR ST. MARYS	02GD009	263
TROUTLAKE RIVER ABOVE BIG FALLS	05QC003	264
TURKEY CREEK AT WINDSOR	02GH004	264
TURTLE RIVER NEAR MINE CENTRE	05PB014	265
TWENTY MILE CREEK ABOVE SMITHVILIE	02HA020	265
TWENTY MILE CREEK AT BALLS FALLS	02HA006	266
VENISON CREEK NEAR WALSINGHAM	02GC021	266
VERMILION RIVER AT LORNE FALLS	02CF004	267
VERMILION RIVER NEAR VAL CARON	02CF011	267
VEUVE RIVER NEAR VERNER	02DD012	268
WABIGOON RIVER AT DRYDEN	05QD016	268
WABIGOON RIVER NEAR QUIBELL	05QD006	269
WABOOSE LAKE RESERVOIR AT WABOOSE DAM	04GB002	269
WANAPITEI LAKE AT BOWLANDS BAY	02DA002	270
WANAPITEI RIVER NEAR WANUP	02DB005	270
WATABEAG RIVER AT WATABEAG LAKE DAM	04MB003	271
WAUBUNO CREEK NEAR DORCHESTER	02GD020	271
WAWA CREEK AT WAWA	02BD006	272
WEBBER DRAIN AT HWY #59 (PITTOCK CONTROL)	02GD024	272
WELLAND CANAL DIVERSION FROM LAKE ERIE	02HA019	273
WELLAND RIVER AT WELLAND CANAL	02HA025	273
WELLAND RIVER BELOW CAISTOR CORNERS	02HA007	274
WELLAND RIVER NEAR BINBROOK	02HA021	274
WEST BRANCH LITTLE CATARAQUI CREEK AT KINGSTON	02HM009	275
WEST BRANCH SCOTCH RIVER NEAR ST. ISIDORE DE PRESCOTT	02LB018	275
WEST DUFFINS CREEK ABOVE GREEN RIVER	02HC038	276
WEST HUMBER RIVER AT HIGHWAY NO. 7	02HC031	276
WEST MONTREAL RIVER AT MISTINIKON LAKE DAM	02JD012	277
WHITE RIVER BELOW WHITE LAKE	02BC004	277
WHITEFISH RIVER AT NOLALU	02AB017	278
WHITEMANS CREEK NEAR MOUNT VERNON	02GB008	278
WHITESAND RIVER ABOVE SCHREIBER AT MINOVA MINE	02BA005	279
WHITSON RIVER AT CHELMSFORD	02CF007	279
WHITSON RIVER AT VAL CARON	02CF008	280
WILLOW CREEK ABOVE LITTLE LAKE	02ED009	280
WILLOW CREEK AT MIDHURST	02ED010	281
WILMOT CREEK NEAR NEWCASTLE	02HD009	281
WILTON CREEK NEAR NAPANEE	02HM004	282
WINDIGO RIVER ABOVE MUSKRAT DAM LAKE	04CB001	282
WINISK RIVER BELOW ASHEWEIG RIVER TRIBUTARY	04DC001	283
WINNIPEG RIVER ABOVE BOUNDARY FALLS	05PF051	283
WINNIPEG RIVER AT MINAKI	05PE009	284
WINNIPEG RIVER AT WHITEDOG FALLS POWERHOUSE	05PE010	284
WINNIPEG RIVER BELOW KENORA POWERHOUSE	05PE001	285
WINNIPEG RIVER BELOW LAKE OF THE WOODS OUTLETS	05PE020	285
WINNIPEG RIVER BELOW NORMAN DAM AND POWERHOUSE	05PE012	286
WOLF RIVER AT HIGHWAY NO. 17	02AC001	286
WYE CREEK NEAR THORNDALE	02GD013	287
WYE RIVER NEAR WYEVALE	02ED013	287
YORK RIVER NEAR BANCROFT	02KD002	288

STATION NUMBER INDEX/INDEX NUMERIQUE DES STATIONS

STATION NO.	NAME	PAGE
02AA001	PIGEON RIVER AT MIDDLE FALLS	200
02AB004	KAMINISTIQUIA RIVER AT OUTLET OF DOG LAKE	86
02AB006	KAMINISTIQUIA RIVER AT KAMINISTIQUIA	86
02AB008	NEEBING RIVER NEAR THUNDER BAY	170
02AB009	SHEBANDOWAN RIVER AT SUNSHINE	229
02AB010	KAMINISTIQUIA RIVER AT KAKABEKA FALLS POWERHOUSE	85
02AB011	SHEBANDOWAN RIVER AT OUTLET OF SHEBANDOWAN LAKE	228
02AB012	GREENWATER CREEK AT OUTLET OF GREENWATER LAKE	76
02AB013	KASHABOWIE RIVER AT OUTLET OF KASHABOWIE LAKE	87
02AB014	NORTH CURRENT RIVER NEAR THUNDER BAY	177
02AB017	WHITEFISH RIVER AT NOLALU	278
02AB018	LAKE SUPERIOR AT THUNDER BAY	127
02AB019	MCVICAR CREEK AT THUNDER BAY	150
02AB020	MCINTYRE RIVER ABOVE THUNDER BAY	149
02AB021	CURRENT RIVER AT STEPSTONE	49
02AC001	WOLF RIVER AT HIGHWAY NO. 17	286
02AC002	BLACK STURGEON RIVER AT HIGHWAY NO. 17	24
02AD007	LAKE NIPIGON AT MACDIARMID	114
02AD008	NIPIGON RIVER AT PINE PORTAGE	171
02AD009	OGOKI RIVER DIVERSION TO LAKE NIPIGON	187
02AD010	BLACKWATER RIVER AT BEARDMORE	24
02AE001	GRAVEL RIVER NEAR CAVERS	75
02BA002	STEEL RIVER NEAR TERRACE BAY	246
02BA003	LITTLE PIC RIVER NEAR COLDWELL	131
02BA004	LAKE SUPERIOR AT ROSSPORT	126
02BA005	WHITESAND RIVER ABOVE SCHREIBER AT MINOVA MINE	279
02BB002	BLACK RIVER NEAR MARATHON	23
02BB003	PIC RIVER NEAR MARATHON	200
02BB004	CEDAR CREEK NEAR HEMLO	36
02BC004	WHITE RIVER BELOW WHITE LAKE	277
02BD002	MICHIPICOTEN RIVER AT HIGH FALLS	151
02BD003	MAGPIE RIVER NEAR MICHIPICOTEN	142
02BD004	LAKE SUPERIOR AT MICHIPICOTEN HARBOUR	126
02BD005	MAGPIE RIVER AT ESNAGI LAKE	141
02BD006	WAWA CREEK AT WAWA	272
02BF002	MONTREAL RIVER NEAR MONTREAL RIVER HARBOUR	163
02BF001	BATCHAWANA RIVER NEAR BATCHAWANA	11
02BF002	GOULAIS RIVER NEAR SEARCHMONT	71
02BF004	BIG CARP RIVER NEAR SAULT STE. MARIE	17
02BF005	NORBERG CREEK (SITE A) ABOVE BATCHAWANA RIVER	173
02BF006	NORBERG CREEK (SITE B) AT OUTLET OF TURKEY LAKE	174
02BF007	NORBERG CREEK (SITE C) AT OUTLET OF LITTLE TURKEY LAKE	174
02BF008	NORBERG CREEK (SITE D) BELOW WISHART LAKE	175
02BF009	NORBERG CREEK (SITE E) BELOW BATCHAWANA LAKE	175
02BF010	LAKE SUPERIOR AT GROS CAP	125
02BF011	ST. MARYS RIVER AT SAULT STE. MARIE (ABOVE)	244
02BF012	NORBERG CREEK (SITE F) AT OUTLET OF BATCHAWANA LAKE	176
02BF013	TRIBUTARY TO NORBERG CREEK AT TURKEY LAKE	262
02CA001	ST. MARYS RIVER AT SAULT STE. MARIE	244
02CA002	ROOT RIVER AT SAULT STE. MARIE	212
02CA003	ST. MARYS RIVER NEAR GARDEN RIVER	245
02CA005	ST. MARYS RIVER AT SAULT STE. MARIE (BELOW)	245
02CA006	LAKE HURON AT THESSALON	113
02CB001	MISSISSAGI RIVER BELOW AUBREY FALLS	158
02CB002	MISSISSAGI RIVER AT ROCKY ISLAND LAKE	158
02CB003	AUBINADONG RIVER ABOVE SESABIC CREEK	8
02CC005	LITTLE WHITE RIVER NEAR BELLINGHAM	133
02CC007	MISSISSAGI RIVER AT RAYNER GENERATING STATION	157
02CC008	MISSISSAGI RIVER AT MISSISSAGI CHUTE	156
02CC009	MISSISSAGI RIVER AT RED ROCK FALLS	157
02CC010	LITTLE WHITE RIVER BELOW BOLAND RIVER	133
02CD001	SERPENT RIVER AT HIGHWAY NO. 17	222
02CD002	SERPENT RIVER AT OUTLET OF DUNLOP LAKE	223
02CD003	SERPENT RIVER BELOW QUIRKE LAKE	224
02CD004	SERPENT RIVER BELOW PECORS LAKE	223
02CD006	SERPENT RIVER ABOVE QUIRKE LAKE	222
02CE001	SPANISH RIVER AT ESPANOLA	236
02CE002	AUX SABLES RIVER AT MASSEY	9
02CE004	SPANISH RIVER AT HIGH FALLS	237
02CF002	VERMILION RIVER AT LORNE FALLS	267
02CF005	JUNCTION CREEK AT SUDBURY	84
02CF007	WHITSON RIVER AT CHELMSFORD	279
02CF008	WHITSON RIVER AT VAL CARON	280
02CF009	NOLIN CREEK AT SUDBURY	173
02CF010	ONAPING RIVER NEAR LEVACK	187
02CF011	VERMILION RIVER NEAR VAL CARON	267
02CF012	JUNCTION CREEK BELOW KELLEY LAKE	85
02CF013	MOOSE CREEK AT LEVACK	165
02CG002	LAKE HURON AT LITTLE CURRENT	112
02CG003	BLUE JAY CREEK NEAR TEHKUMMAH	26
02DA002	WANAPITEI LAKE AT BOWLANDS BAY	270
02DB005	WANAPITEI RIVER NEAR WANUP	270
02DB007	CONISTON CREEK ABOVE WANAPITEI RIVER	43
02DC003	STURGEON RIVER AT CRYSTAL FALLS	248
02DC004	STURGEON RIVER NEAR GLEN AFTON	250
02DC007	TEMAGAMI RIVER AT CROSS LAKE DAM	255
02DC008	TEMAGAMI RIVER AT RED CEDAR LAKE DAM	255
02DC010	TEMAGAMI LAKE AT TEMAGAMI	254
02DC012	STURGEON RIVER AT UPPER GOOSE FALLS	250
02DD006	LAKE NIPISSING AT NORTH BAY	115
02DD007	FRENCH RIVER AT LAKE NIPISSING	68
02DD009	SOUTH RIVER AT SOUTH RIVER	235
02DD010	FRENCH RIVER AT DRY PINE BAY	68
02DD012	VEUVE RIVER NEAR VERNER	268
02DD013	LA VASE RIVER AT NORTH BAY	92
02DD014	CHIPPEWA CREEK AT NORTH BAY	37
02DD015	COMMANDA CREEK NEAR COMMANDA	41
02DD016	FRENCH RIVER AT PORTAGE DAM	69
02DD017	FRENCH RIVER AT CHAUDIERE DAM	67
02DD020	LITTLE FRENCH RIVER AT OKIKENDAWT ISLAND	130
02DD021	LAKE NIPISSING AT FRENCH RIVER OUTLET	114
02EA005	NORTH MAGNETAWAN RIVER NEAR BURK'S FALLS	179
02EA006	MAGNETAWAN RIVER NEAR BURK'S FALLS	141
02EA010	NORTH MAGNETAWAN RIVER ABOVE PICKEREL LAKE	178
02EA011	MAGNETAWAN RIVER NEAR BRITT	140
02EA014	LAKE HURON AT PARRY SOUND	112
02EB004	NORTH BRANCH MUSKOKA RIVER AT PORT SYDNEY	176
02EB006	MUSKOKA RIVER BELOW BALA	166
02EB008	SOUTH BRANCH MUSKOKA RIVER AT BAYSVILLE	230
02EB011	MOON RIVER AT HIGHWAY NO. 69	164
02EB012	MUSKOKA RIVER AT HIGHWAY NO. 69	166
02EB013	EAST RIVER NEAR HUNTSVILLE	57
02EB014	OCTONGUE RIVER NEAR DWIGHT	195
02EC002	BLACK RIVER NEAR WASHAGO	23
02EC003	SEVERN RIVER AT SWIFT RAPIDS	226
02EC004	SEVERN RIVER BELOW WASHAGO	227
02EC005	SEVERN RIVER AT WASHAGO	227
02EC006	SEVERN RIVER AT BIG FALLS	224
02EC007	SEVERN RIVER AT LITTLE FALLS	225
02EC008	BLACK RIVER AT BALDWIN	22

INDEX (CONT.)

STATION NO.	NAME	PAGE
02EC009	HOLLAND RIVER AT HOLLAND LANDING	80
02EC010	SCHOMBERG RIVER NEAR SCHOMBERG	220
02EC011	BEAVERTON RIVER NEAR BEAVERTON	15
02EC013	MIDDLE SEVERN RIVER AT WASHAGO	153
02EC015	LAKE SIMCOE NEAR GAMEBRIDGE	122
02EC016	TRENT CANAL LOCK 42 NEAR WASHAGO	260
02EC017	LAKE COUCHICHING OUTFLOW AT WASHAGO	107
02EC018	PEFFERLAW BROOK NEAR UDORA	198
02ED001	NOTTAWASAGA RIVER NEAR BAXTER	185
02ED007	COLDWATER RIVER AT COLDWATER	40
02ED009	WILLOW CREEK ABOVE LITTLE LAKE	280
02ED010	WILLOW CREEK AT MIDHURST	201
02ED012	LAKE HURON AT COLLINGWOOD	111
02ED013	WYE RIVER NEAR WYEVALE	287
02ED014	PINE RIVER NEAR EVERETT	201
02ED015	MAD RIVER BELOW AVENING	138
02ED016	TRIBUTARY TO WYE RIVER BELOW ELMVALE	262
02ED017	HOG CREEK NEAR VICTORIA HARBOUR	79
02ED018	STURGEON RIVER AT STURGEON BAY	249
02ED019	COPELAND CREEK NEAR PENETAGUISHENE	44
02ED020	MATCHEDASH BAY BELOW HWY 69	146
02ED021	MATCHEDASH BAY ABOVE HWY 69	145
02ED022	NORTH RIVER NEAR COLDWATER	180
02ED023	NORTH RIVER NEAR LOVERING	180
02ED024	NORTH RIVER AT THE FALLS	179
02ED025	BLACK ASH CREEK AT COLLINGWOOD	20
02ED026	NOTTAWASAGA RIVER AT HOCKLEY	184
02FA001	SAUBLE RIVER AT SAUBLE FALLS	218
02FA002	STOKES RIVER NEAR FERNDALE	246
02FA003	LAKE HURON AT TOBERMORY	113
02FA004	SAUBLE RIVER AT ALLENFORD	217
02FA005	SAUBLE RIVER ABOVE TARA	217
02FB007	SYDENHAM RIVER NEAR OWEN SOUND	253
02FB009	BEAVER RIVER NEAR CLARKSBURG	15
02FB010	BIGHEAD RIVER NEAR MEAFORD	20
02FC001	SAUGEEN RIVER NEAR PORT ELGIN	219
02FC002	SAUGEEN RIVER NEAR WALKERTON	219
02FC011	CARRICK CREEK NEAR CARLSRUHE	33
02FC012	SOUTH SAUGEEN RIVER NEAR HANOVER	236
02FC015	TEESWATER RIVER NEAR PAISLEY	254
02FC016	SAUGEEN RIVER ABOVE DURHAM	218
02FC017	BEATTY SAUGEEN RIVER NEAR HOLSTEIN	14
02FC018	NORTH SAUGEEN RIVER ABOVE CHESLEY	181
02FD001	PINE RIVER AT LURGAN	201
02FD002	LUCKNOW RIVER AT LUCKNOW	135
02FE002	MAITLAND RIVER BELOW WINGHAM	143
02FE003	MIDDLE MAITLAND RIVER NEAR LISTOWEL	153
02FE005	MAITLAND RIVER ABOVE WINGHAM	142
02FE007	LITTLE MAITLAND RIVER AT BLUEVALE	130
02FE008	MIDDLE MAITLAND RIVER NEAR BELGRAVE	152
02FE009	SOUTH MAITLAND RIVER AT SUMMERHILL	231
02FE011	MAITLAND RIVER NEAR HARRISTON	144
02FE012	LAKE HURON AT GODERICH	111
02FE013	MIDDLE MAITLAND RIVER ABOVE ETHEL	151
02FE014	BLYTH BROOK BELOW BLYTH	129
02FE015	MAITLAND RIVER AT BENMILLER	143
02FF002	AUSABLE RIVER NEAR SPRINGBANK	9
02FF004	SOUTH PARKHILL CREEK NEAR PARKHILL	234
02FF007	BAYFIELD RIVER NEAR VARNA	12
02FF008	PARKHILL CREEK ABOVE PARKHILL RESERVOIR	44
02FF009	AUSABLE RIVER NEAR EXETER	196
02GA003	GRAND RIVER AT GALT	8
02GA010	NITH RIVER NEAR CANNING	72
02GA014	GRAND RIVER NEAR MARSVILLE	172
02GA015	SPEED RIVER BELOW GUELPH	74
02GA016	GRAND RIVER BELOW SHAND DAM	237
02GA023	CANAGAGIGUE CREEK NEAR ELMIRA	73
02GA024	LAUREL CREEK AT WATERLOO	31
02GA028	CONESTOGO RIVER AT GLEN ALLAN	128
02GA029	ERAMOSA RIVER ABOVE GUELPH	42
02GA030	ALDER CREEK NEAR NEW DUNDEE	60
02GA031	BLUE SPRINGS CREEK NEAR EDEN MILLS	4
02GA033	LUTTERAL CREEK NEAR OUSTIC	26
02GA034	GRAND RIVER AT WEST MONTROSE	136
02GA037	SCHNEIDER CREEK AT KITCHENER	73
02GA038	NITH RIVER ABOVE NITHBURG	220
02GA039	CONESTOGO RIVER ABOVE DRAYTON	172
02GA040	SPEED RIVER NEAR ARMSTRONG MILLS	42
02GA041	GRAND RIVER NEAR DUNDALK	238
02GA042	MOOREFIELD CREEK NEAR ROTHSAY	74
02GB001	GRAND RIVER AT BRANTFORD	164
02GB006	HORNER CREEK NEAR PRINCETON	72
02GB007	FAIRCHILD CREEK NEAR BRANTFORD	81
02GB008	WHITEMANS CREEK NEAR MOUNT VERNON	63
02GB009	KENNY CREEK NEAR BURFORD	278
02GB010	MCKENZIE CREEK NEAR CALEDONIA	89
02GC002	KETTLE CREEK AT ST. THOMAS	150
02GC006	BIG CREEK NEAR DELHI	91
02GC007	BIG CREEK NEAR WALSINGHAM	17
02GC008	LYNN RIVER AT SIMCOE	18
02GC010	BIG OTTER CREEK AT TILLSONBURG	137
02GC012	PATTERSON CREEK NEAR SIMCOE	19
02GC015	LITTLE OTTER CREEK NEAR STRAFFORDVILLE	197
02GC017	BIG OTTER CREEK ABOVE OTTERVILLE	131
02GC018	CATFISH CREEK NEAR SPARTA	18
02GC021	VENISON CREEK NEAR WALSINGHAM	35
02GC022	NANTICOKE CREEK AT NANTICOKE	266
02GC026	BIG OTTER CREEK NEAR CALTON	169
02GC027	LAKE ERIE AT PORT STANLEY	19
02GC028	LAKE ERIE AT PORT DOVER	110
02GC029	KETTLE CREEK ABOVE ST. THOMAS	110
02GC030	CATFISH CREEK AT AYLMER	90
02GC031	DODD CREEK BELOW PAYNES MILLS	35
02GC032	HOLTBY DRAIN AT CONCESSION #7 (KETTLE CONTROL)	50
02GC033	MADTER DRAIN AT CONCESSION #7 (KETTLE TEST)	80
02GC034	SANDUSK CREEK NEAR HAGERSVILLE	140
02GC035	SANDUSK CREEK NEAR SELKIRK	216
02GD001	THAMES RIVER NEAR EALING	216
02GD003	NORTH THAMES RIVER BELOW FANSHAWE DAM	259
02GD004	MIDDLE THAMES RIVER AT THAMESFORD	182
02GD005	NORTH THAMES RIVER AT ST. MARYS	154
02GD008	MEDWAY RIVER AT LONDON	181
02GD009	TROUT CREEK NEAR ST. MARYS	151
02GD010	FISH CREEK NEAR PROSPECT HILL	263
02GD011	CEDAR CREEK AT WOODSTOCK	65
02GD012	THAMES RIVER AT WOODSTOCK	36
02GD013	WYE CREEK NEAR THORNDALE	258
02GD014	NORTH THAMES RIVER NEAR MITCHELL	287
02GD015	NORTH THAMES RIVER NEAR THORNDALE	182
02GD016	THAMES RIVER AT INGERSOLL	183
		257

STATION NO.	NAME	PAGE
02GD018	AVON RIVER BELOW STRATFORD	10
02GD019	TROUT CREEK NEAR FAIRVIEW	263
02GD020	WAUBUNO CREEK NEAR DORCHESTER	271
02GD021	THAMES RIVER AT INNERKIP	257
02GD022	NISSOURI CREEK NEAR EMBRO	171
02GD023	THAMES RIVER NEAR TAVISTOCK	260
02GD024	WEBBER DRAIN AT HWY #59 (PITTOCK CONTROL)	272
02GD025	GORING DRAIN AT CONCESSION #13 (PITTOCK TEST)	70
02GE002	THAMES RIVER AT BYRON	256
02GE003	THAMES RIVER AT THAMESVILLE	258
02GE004	THAMES RIVER AT CHATHAM	256
02GE005	DINGMAN CREEK BELOW LAMBETH	52
02GE006	THAMES RIVER NEAR DUTTON	259
02GE007	MCGREGOR CREEK NEAR CHATHAM	149
02GF002	LAKE ERIE AT ERIEAU	108
02GG002	SYDENHAM RIVER NEAR ALVINSTON	252
02GG003	SYDENHAM RIVER AT FLORENCE	251
02GG005	SYDENHAM RIVER AT STRATHROY	251
02GG006	BEAR CREEK NEAR PETROLIA	13
02GG008	SYDENHAM RIVER AT WALLACEBURG	252
02GG009	BEAR CREEK BELOW BRIGDEN	13
02GG010	ST. CLAIR RIVER AT POINT EDWARD	240
02GG011	ST. CLAIR RIVER AT PORT LAMBTON	240
02GH001	STURGEON CREEK NEAR LEAMINGTON	247
02GH002	RUSCOM RIVER NEAR RUSCOM STATION	214
02GH003	CANARD RIVER NEAR LUKERVILLE	32
02GH004	TURKEY CREEK AT WINDSOR	264
02GH005	LAKE ST. CLAIR AT BELLE RIVER	122
02GH006	LAKE ST. CLAIR AT TECUMSEH	123
02GH007	DETROIT RIVER AT LA SALLE	51
02GH008	DETROIT RIVER AT AMHERSTBURG	51
02GH009	LAKE ERIE AT BAR POINT	108
02GH010	LAKE ERIE AT KINGSVILLE	109
02GH011	LITTLE RIVER AT WINDSOR	132
02GH013	FIFTH CONCESSION DRAIN NEAR ESSEX (TEST)	65
02GH014	SECOND CONCESSION DRAIN NEAR ESSEX (CONTROL)	221
02HA003	NIAGARA RIVER AT QUEENSTON	170
02HA006	TWENTY MILE CREEK AT BALLS FALLS	266
02HA007	WELLAND RIVER BELOW CAISTOR CORNERS	274
02HA014	REDHILL CREEK AT HAMILTON	208
02HA017	LAKE ERIE AT PORT COLBORNE	109
02HA018	LAKE ONTARIO AT PORT WELLER	121
02HA019	WELLAND CANAL DIVERSION FROM LAKE ERIE	273
02HA020	TWENTY MILE CREEK ABOVE SMITHVILLE	265
02HA021	WELLAND RIVER NEAR BINBROOK	274
02HA022	STONEY CREEK AT STONEY CREEK	247
02HA023	REDHILL CREEK AT ALBION FALLS	208
02HA024	OSWEGO CREEK AT CANBORO	188
02HA025	WELLAND RIVER AT WELLAND CANAL	273
02HB001	CREDIT RIVER NEAR CATARACT	47
02HB002	CREDIT RIVER AT ERINDALE	45
02HB004	EAST OAKVILLE CREEK NEAR OMAGH	56
02HB005	OAKVILLE CREEK AT MILTON	185
02HB007	SPENCER CREEK AT DUNDAS	238
02HB008	CREDIT RIVER WEST BRANCH AT NORVAL	48
02HB012	GRINDSTONE CREEK NEAR ALDERSHOT	76
02HB013	CREDIT RIVER NEAR ORANGEVILLE	47
02HB014	SPENCER CREEK NEAR WESTOVER	239
02HB017	LAKE ONTARIO AT BURLINGTON	119
02HB018	CREDIT RIVER AT BOSTON MILLS	45
02HB019	CREDIT RIVER ALTON BRANCH ABOVE ALTON	44
02HB020	CREDIT RIVER ERIN BRANCH ABOVE ERIN	46
02HB021	ANCASTER CREEK AT ANCASTER	5
02HB022	BRONTE CREEK AT CARLISLE	29
02HB023	SPENCER CREEK AT HIGHWAY NO. 5	239
02HB024	BLACK CREEK BELOW ACTON	21
02HB025	CREDIT RIVER AT NORVAL	46
02HC003	HUMBER RIVER AT WESTON	82
02HC005	DON RIVER AT YORK MILLS	53
02HC009	EAST HUMBER RIVER NEAR PINE GROVE	56
02HC013	HIGHLAND CREEK NEAR WEST HILL	79
02HC017	ETOBICOKE CREEK AT BRAMPTON	61
02HC018	LYNDE CREEK NEAR WHITBY	137
02HC019	DUFFINS CREEK ABOVE PICKERING	53
02HC022	ROUGE RIVER NEAR MARKHAM	213
02HC023	COLD CREEK NEAR BOLTON	40
02HC024	DON RIVER AT TODMORDEN	52
02HC025	HUMBER RIVER AT ELDER MILLS	81
02HC027	BLACK CREEK NEAR WESTON	21
02HC028	LITTLE ROUGE CREEK NEAR LOCUST HILL	132
02HC029	LITTLE DON RIVER AT DON MILLS	129
02HC030	ETOBICOKE CREEK BELOW QUEEN ELIZABETH HIGHWAY	61
02HC031	WEST HUMBER RIVER AT HIGHWAY NO. 7	276
02HC032	EAST HUMBER RIVER AT KING CREEK	55
02HC033	MIMICO CREEK AT ISLINGTON	155
02HC038	WEST DUFFINS CREEK ABOVE GREEN RIVER	276
02HC039	REESOR CREEK ABOVE GREEN RIVER	209
02HC047	HUMBER RIVER NEAR PALGRAVE	82
02HC048	LAKE ONTARIO AT TORONTO	121
02HC049	DUFFINS CREEK AT AJAX	54
02HD003	GANARASKA RIVER NEAR OSACA	70
02HD004	NORTH WEST GANARASKA RIVER NEAR OSACA	183
02HD006	BOWMANVILLE CREEK AT BOWMANVILLE	28
02HD008	OSHAWA CREEK AT OSHAWA	188
02HD009	WILMOT CREEK NEAR NEWCASTLE	281
02HD010	SHELTER VALLEY BROOK NEAR GRAFTON	229
02HD012	GANARASKA RIVER ABOVE DALE	69
02HD013	HARMONY CREEK AT OSHAWA	78
02HD014	FAREWELL CREEK AT OSHAWA	64
02HD015	LAKE ONTARIO AT COBOURG	120
02HE001	BLOOMFIELD CREEK AT BLOOMFIELD	25
02HE002	CONSECON CREEK AT ALLISONVILLE	43
02HF002	GULL RIVER AT NORLAND	77
02HF003	BURNT RIVER NEAR BURNT RIVER	31
02HF004	BOB CREEK NEAR MINDEN	27
02HG001	MARIPOSA BROOK NEAR LITTLE BRITAIN	144
02HH001	EELS CREEK BELOW APSLEY	57
02HH002	MISSISSAGUA RIVER BELOW MISSISSAGUA LAKE	159
02HJ001	JACKSON CREEK AT PETERBOROUGH	83
02HJ003	OUSE RIVER NEAR WESTWOOD	195
02HK002	TRENT RIVER AT HEALEY FALLS	261
02HK003	CROWE RIVER AT MARMORA	48
02HK004	TRENT RIVER AT GLEN ROSS	261
02HK005	CROWE RIVER NEAR GLEN ALDA	49
02HK006	BEAVER CREEK NEAR MARMORA	14
02HK007	COLD CREEK AT ORLAND	39
02HK008	RAWDON CREEK NEAR WEST HUNTINGDON	207
02HK009	BURNLEY CREEK ABOVE WARKWORTH	30
02HL001	MOIRA RIVER NEAR FOXBORO	161
02HL003	BLACK RIVER NEAR ACTINOLITE	22

STATION NO.	NAME	PAGE
02HL004	SKOOTAMATTA RIVER NEAR ACTINOLITE	230
02HL005	MOIRA RIVER NEAR DELORO	161
02HL006	PARKS CREEK NEAR LATTA	197
02HM002	DEPOT CREEK AT BELLROCK	50
02HM003	SALMON RIVER NEAR SHANNONVILLE	215
02HM004	WILTON CREEK NEAR NAPANEE	282
02HM005	COLLINS CREEK NEAR KINGSTON	41
02HM006	MILLHAVEN CREEK NEAR MILLHAVEN	154
02HM007	NAPANEE RIVER AT CAMDEN EAST	169
02HM008	LAKE ONTARIO AT KINGSTON	120
02HM009	WEST BRANCH LITTLE CATARAQUI CREEK AT KINGSTON	275
02JC008	BLANCHE RIVER ABOVE ENGLEHART	25
02JC010	LARDER RIVER ABOVE RAVEN LAKE	128
02JD009	MONTREAL RIVER AT MOUNTAIN CHUTES	163
02JD010	MONTREAL RIVER AT LOWER NOTCH GENERATING STATION	162
02JD011	LADY EVELYN RIVER AT LADY EVELYN LAKE	94
02JD012	WEST MONTREAL RIVER AT MISTINIKON LAKE DAM	277
02JD013	BAY LAKE AT LATCHEFORD	11
02JE011	LAKE TIMISKAMING AT HAILEYBURY	127
02JE012	OTTAWA RIVER AT LA CAVE RAPIDS	192
02JE013	OTTAWA RIVER AT MATTAWA	192
02JE019	AMABLE DU FOND RIVER AT SAMUEL DE CHAMPLAIN PROVINCIAL PARK	5
02JE020	MATTAWA RIVER BELOW BOUILLON LAKE	148
02JE021	MATABITCHUAN RIVER AT RABBIT LAKE DAM	145
02JE024	OTTAWA RIVER BELOW TEMISCAMING	194
02KA002	OTTAWA RIVER AT DES JOACHIMS	191
02KA003	PERCH LAKE OUTLET NEAR CHALK RIVER	199
02KB001	PETAWAWA RIVER NEAR PETAWAWA	199
02KC005	OTTAWA RIVER NEAR WESTMEATH	194
02KC009	BONNECHERE RIVER NEAR CASTLEFORD	28
02KC013	OTTAWA RIVER AT PEMBROKE	193
02KC016	OTTAWA RIVER AT SANDPOINT	193
02KD002	YORK RIVER NEAR BANCROFT	288
02KD004	MADAWASKA RIVER AT PALMER RAPIDS	139
02KD007	MADAWASKA RIVER AT BARK LAKE DAM	138
02KE005	MADAWASKA RIVER AT STEWARTVILLE	139
02KF001	MISSISSIPPI RIVER AT FERGUSONS FALLS	160
02KF005	OTTAWA RIVER AT BRITANNIA	189
02KF006	MISSISSIPPI RIVER AT APPLETON	159
02KF009	OTTAWA RIVER AT CHATS FALLS	190
02KF010	CLYDE RIVER NEAR LANARK	19
02KF011	CARP RIVER NEAR KINBURN	32
02KF012	INDIAN RIVER NEAR BLAKENEY	93
02KF013	CLYDE RIVER AT GORDON RAPIDS	38
02KF014	FALL RIVER NEAR FALLBROOK	63
02KF015	GRAHAM CREEK AT NEPEAN	71
02KF016	MISSISSIPPI RIVER BELOW MARBLE LAKE	160
02LA004	RIDEAU RIVER AT OTTAWA	210
02LA005	RIDEAU RIVER ABOVE SMITHS FALLS	209
02LA006	KEMPTVILLE CREEK NEAR KEMPTVILLE	88
02LA007	JOCK RIVER NEAR RICHMOND	84
02LA011	RIDEAU RIVER BELOW MERRICKVILLE	211
02LA012	RIDEAU RIVER BELOW MANOTICK	210
02LA017	TAY RIVER BELOW BOBS LAKE	253
02LB005	SOUTH NATION RIVER NEAR PLANTAGENET SPRINGS	233
02LB006	CASTOR RIVER AT RUSSELL	33
02LB007	SOUTH NATION RIVER AT SPENCERVILLE	233
02LB008	BEAR BROOK NEAR BOURGET	15
02LB009	SOUTH NATION RIVER AT CHESTERVILLE	232
02LB010	OTTAWA RIVER AT CUMBERLAND	191
02LB012	EAST BRANCH SCOTCH RIVER NEAR ST. ISIDORE DE PRESCOTT	55
02LB013	SOUTH NATION RIVER AT CASSELMAN	232
02LB017	NORTH BRANCH SOUTH NATION RIVER NEAR HECKSTON	177
02LB018	WEST BRANCH SCOTCH RIVER NEAR ST. ISIDORE DE PRESCOTT	275
02LB020	SOUTH CASTOR RIVER AT KENMORE	231
02LB022	PAYNE RIVER NEAR BERWICK	198
02MA002	CATARAQUI RIVER AT CHAFFEYS LOCKS	34
02MB006	LYN CREEK NEAR LYN	136
02MB007	ST. LAWRENCE RIVER AT BROCKVILLE	241
02MB008	ST. LAWRENCE RIVER AT IROQUOIS ISLAND (ABOVE)	242
02MB009	ST. LAWRENCE RIVER AT IROQUOIS ISLAND (BELOW)	242
02MB010	BUELLS CREEK AT BROCKVILLE	30
02MC001	RAISIN RIVER NEAR WILLIAMSTOWN	207
02MC002	ST. LAWRENCE RIVER AT CORNWALL	241
02MC009	SOUTH RAISIN RIVER DIVERSION AT LONG SAULT	234
02MC022	ST. LAWRENCE RIVER BELOW CORNWALL CANAL	243
02MC023	ST. LAWRENCE RIVER AT SUMMERSTOWN	243
02MC026	RIVIERE BEAUDETTE NEAR GLEN NEVIS	211
02MC027	RAISIN RIVER AT BLACK RIVER	206
02MC028	RIVIERE DELISLE NEAR ALEXANDRIA	212
02MC030	SOUTH RAISIN RIVER NEAR CORNWALL	235
04CA002	SEVERN RIVER AT OUTLET OF MUSKRAT DAM LAKE	226
04CA003	ROSEBERRY RIVER ABOVE ROSEBERRY LAKES	213
04CB001	WINDIGO RIVER ABOVE MUSKRAT DAM LAKE	282
04CC001	SEVERN RIVER AT LIMESTONE RAPIDS	225
04CD002	SACHIGO RIVER BELOW OUTLET OF SACHIGO LAKE	214
04CE002	FAWN RIVER BELOW BIG TROUT LAKE	64
04DA001	PIPESTONE RIVER AT KARL LAKE	203
04DB001	ASHEWEIG RIVER AT STRAIGHT LAKE	6
04DC001	WINISK RIVER BELOW ASHEWEIG RIVER TRIBUTARY	283
04DC002	SHAMATTAWA RIVER AT OUTLET OF SHAMATTAWA LAKE	228
04EA001	EKWAN RIVER BELOW NORTH WASHAGAMI RIVER	58
04FA001	OTOSKWIN RIVER BELOW BADESDAWA LAKE	189
04FA002	KAWINOGANS RIVER NEAR PICKLE CROW	88
04FA003	PINEIMUTA RIVER AT EYES LAKE	202
04FB001	ATTAWAPISKAT RIVER BELOW ATTAWAPISKAT LAKE	7
04FC001	ATTAWAPISKAT RIVER BELOW MUKETEI RIVER	7
04GA001	LAKE ST. JOSEPH OUTFLOW TO ALBANY RIVER	125
04GA002	CAT RIVER BELOW WESLEYAN LAKE	34
04GA004	LAKE ST. JOSEPH ABOVE RAT RAPIDS DAM	123
04GB001	OGOKI RIVER AT WABOOSE FALLS DAM	186
04GB002	WABOOSE LAKE RESERVOIR AT WABOOSE DAM	269
04GB003	MOJIKIT LAKE RESERVOIR AT MOJIKIT LAKE	162
04GB004	OGOKI RIVER ABOVE WHITECLAY LAKE	186
04GB005	BRIGHTSAND RIVER AT MOBERLEY	29
04GD001	ALBANY RIVER ABOVE NOTTIK ISLAND	3
04GF001	MUSWABIK RIVER AT OUTLET OF MUSWABIK LAKE	167
04HA001	ALBANY RIVER NEAR HAT ISLAND	4
04JC002	NAGAGAMI RIVER AT HIGHWAY NO. 11	167
04JD001	LONG LAKE AT LONGLAC	114
04JD002	KENOGAMI RIVER AT KENOGAMI DAM	89
04JD003	LONG LAKE DIVERSION TO LAKE SUPERIOR	114
04JD005	PAGWACHUAN RIVER AT HIGHWAY NO. 11	196
04JF001	LITTLE CURRENT RIVER AT PERCY LAKE	129
04JG001	KENOGAMI RIVER NEAR MAMMAMATTAWA	90
04KA001	KWATABOAHEGAN RIVER NEAR THE MOUTH	91
04KA002	HALFWAY CREEK AT MOOSONEE	78
04LA002	MATTAGAMI RIVER NEAR TIMMINS	147
04LB001	MATTAGAMI RIVER AT SMOOTH ROCK FALLS	147
04LD001	GROUNDHOG RIVER AT FAUQUIER	77

STATION NO.	NAME	PAGE
04LF001	KAPUSKASING RIVER AT KAPUSKASING	87
04LG003	MATTAGAMI RIVER AT LITTLE LONG RAPIDS	146
04LG004	MOOSE RIVER ABOVE MOOSE RIVER	165
04LJ001	MISSINAIBI RIVER AT MATTICE	155
04LK001	MATTAWISHKWIA RIVER AT HEARST	148
04LM001	MISSINAIBI RIVER BELOW WABOOSE RIVER	156
04MB003	WATABEAG RIVER AT WATABEAG LAKE DAM	271
04MC001	ABITIBI RIVER AT IROQUOIS FALLS	1
04MC002	ABITIBI RIVER AT TWIN FALLS	3
04MD002	FREDERICK HOUSE RIVER AT FREDERICK HOUSE LAKE DAM	66
04MD003	FREDERICK HOUSE RIVER AT NIGHTHAWK LAKE	66
04MD004	PORCUPINE RIVER AT HOYLE	204
04ME002	ABITIBI RIVER AT ABITIBI CANYON	1
04ME003	ABITIBI RIVER AT ONAKAWANA	2
04ME004	ABITIBI RIVER AT OTTER RAPIDS	2
04MF001	NORTH FRENCH RIVER NEAR THE MOUTH	178
05PA003	NAMAKAN LAKE ABOVE KETTLE FALLS DAM	168
05PA006	NAMAKAN RIVER AT OUTLET OF LAC LA CROIX	168
05PA010	FRENCH LAKE NEAR ATIKOKAN	67
05PA011	LAC LA CROIX AT CAMPBELL'S CAMP	92
05PA012	BASSWOOD RIVER NEAR WINTON	10
05PB007	RAINY LAKE NEAR FORT FRANCES	205
05PB009	SEINE RIVER AT STURGEON FALLS GENERATING STATION	221
05PB014	TURTLE RIVER NEAR MINE CENTRE	265
05PB015	PIPESTONE RIVER ABOVE RAINY LAKE	203
05PB018	ATIKOKAN RIVER AT ATIKOKAN	6
05PB021	EYE RIVER NEAR HARDTACK LAKE NORTH OF ATIKOKAN	62
05PB022	EYE RIVER NEAR COULSON LAKE NORTH OF ATIKOKAN	62
05PB024	RAINY LAKE NEAR BEAR PASS	204
05PC011	PINEWOOD RIVER NEAR PINEWOOD	202
05PC018	RAINY RIVER AT MANITOU RAPIDS	206
05PC019	RAINY RIVER AT FORT FRANCES	205
05PD001	LAKE OF THE WOODS AT WARROAD	117
05PD008	LAKE OF THE WOODS AT HANSON BAY	116
05PD011	LAKE OF THE WOODS AT CLEARWATER BAY	115
05PD014	LAKE 114 OUTLET NEAR KENORA	96
05PD015	LAKE 240 OUTLET NEAR KENORA	102
05PD017	LAKE 470 OUTLET NEAR KENORA	106
05PD018	LAKE 304 NEAR KENORA	105
05PD019	LAKE 303 OUTLET NEAR KENORA	104
05PD020	LAKE 303 NEAR KENORA	104
05PD021	LAKE 239 NEAR KENORA	100
05PD022	NORTHWEST TRIBUTARY TO LAKE 239 NEAR KENORA	184
05PD023	LAKE 239 OUTLET NEAR KENORA	101
05PD024	LAKE 239, LOWER EAST INLET, NEAR KENORA	101
05PD026	BERRY CREEK AT THE OUTLET OF BERRY LAKE	16
05PD027	LAKE 114 NEAR KENORA	95
05PD028	LAKE 661 OUTLET NEAR KENORA	107
05PD029	LAKE OF THE WOODS AT CYCLONE ISLAND	116
05PD031	LAKE 239 NORTHEAST INLET NEAR KENORA	100
05PD032	LAKE 114 INFLOW NEAR KENORA	95
05PE001	WINNIPEG RIVER BELOW KENORA POWERHOUSE	285
05PE005	LAKE OF THE WOODS OUTLET AT MINK CREEK	118
05PE006	LAKE OF THE WOODS EASTERN OUTLET AT KENORA POWERHOUSE	118
05PE009	WINNIPEG RIVER AT MINAKI	284
05PE010	WINNIPEG RIVER AT WHITEDOG FALLS POWERHOUSE	284
05PE011	LAKE OF THE WOODS WESTERN OUTLET AT NORMAN DAM AND POWERHOUSE	119
05PE012	WINNIPEG RIVER BELOW NORMAN DAM AND POWERHOUSE	286
05PE014	LAKE OF THE WOODS AT KEEWATIN	117
05PE020	WINNIPEG RIVER BELOW LAKE OF THE WOODS OUTLETS	285
05PF051	WINNIPEG RIVER ABOVE BOUNDARY FALLS	283
05QA002	ENGLISH RIVER AT UMFREVILLE	60
05QA004	STURGEON RIVER AT MCDOUGALL MILLS	248
05QB001	LAC SEUL AT LAC SEUL	94
05QB002	LAC SEUL AT HUDSON	93
05QB003	LAC SEUL AT GOLDPINES	93
05QB005	LAKE ST. JOSEPH DIVERSION ABOVE CONTROL DAM	124
05QB006	LAKE ST. JOSEPH DIVERSION AT ROOT PORTAGE	124
05QC001	CHUKUNI RIVER NEAR EAR FALLS	38
05QC003	TROUTLAKE RIVER ABOVE BIG FALLS	264
05QD003	EAGLE RIVER AT EAGLE RIVER	54
05QD006	WABIGOON RIVER NEAR QUIBELL	269
05QD008	LAKE 227 OUTLET NEAR KENORA	99
05QD009	LAKE 227 NEAR KENORA	99
05QD015	LAKE 226 OUTLET NEAR KENORA	98
05QD016	WABIGOON RIVER AT DRYDEN	268
05QD017	LAKE 223 OUTLET NEAR KENORA	97
05QD018	LAKE 224 OUTLET NEAR KENORA	97
05QD019	LAKE 225 OUTLET NEAR KENORA	98
05QD021	LAKE 223 NEAR KENORA	96
05QD022	LAKE 302 NEAR KENORA	102
05QD023	LAKE 302 OUTLET NEAR KENORA	103
05QD024	LAKE 302 UPLAND WATERSHED NEAR KENORA	103
05QD025	LAKE 382 OUTFLOW	106
05QD026	LAKE 373 OUTFLOW NEAR KENORA	105
05QE005	ENGLISH RIVER AT CARIBOU FALLS	58
05QE006	ENGLISH RIVER AT EAR FALLS	59
05QE007	ENGLISH RIVER AT MANITOU FALLS	59
05QE008	CEDAR RIVER BELOW WABASKANG LAKE	37
05QE009	STURGEON RIVER AT OUTLET OF SALVESEN LAKE	249
05QE011	SALVESEN LAKE NEAR OUTLET	215
05QE012	LONG-LEGGED RIVER BELOW LONG-LEGGED LAKE	155
05QE015	GRASSY NARROWS LAKE AT GRASSY NARROWS	75
05RC001	BERENS RIVER ABOVE BERENS LAKE	16